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SUBSTANTIATION DATA FOR

ADVANCED BEADED AND
TUBULAR STRUCTURAL PANELS

Volume 3, TESTING

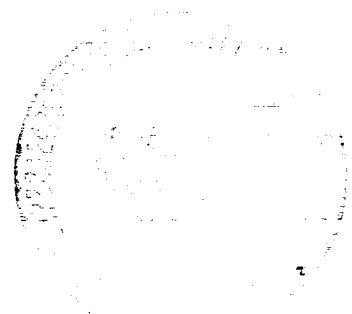
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THE **BOEING** COMPANY

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NASA Langley Research Center

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FOREWORD

This report was prepared by The Boeing Aerospace Company, a division of The Boeing Company, Seattle, Washington for the Langley Research Center of the National Aeronautics and Space Administration. A test program for determining strengths of advanced beaded and tubular structural panel configurations is presented. The work is part of a comprehensive program to develop advanced beaded and tubular structural panel designs and static strength prediction methods under contract NASI-10749, "Design and Testing of Advanced Structural Panels." This program was under the cognizance of Herman L. Bohon and John L. Shideler of the Thermal Protection Section of the Structures Division, Langley Research Center.

The principal investigator was Bruce E. Greene and the test program was under the direction of Philip C. Hedges. The technical leader was Max D. Musgrove reporting to the program manager, John L. Arnquist, Chief of the Structural Allowables and Military Structures Organization.

The art work and drafts for this report were prepared by Gary Jensen.

ABSTRACT

A study was conducted to exploit the efficiency of curved elements in the design of lightweight structural panels under combined loads of axial compression, inplane shear, and bending. A summary of the total program (analysis, fabrication and test) is presented in document NASA CR-2514. Detailed descriptions of the analysis effort and of the fabrication development are contained in supplementary documents NASA CR-132460, and NASA CR-132482, respectively.

The report presented herein describes the test program which was conducted to provide the necessary experimental data to verify the design and analysis methods developed for beaded and tubular panels. Test results are summarized and presented for all local buckling and full size panel tests. Selected representative test data from each of these tests is presented in detail. The results of this program have established a valid analysis and design procedure for circular tube panels. Test results from three other configurations have shown deformational modes which are not adequately accounted for in the present analyses.

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SUMMARY

A study was conducted to exploit the efficiency of curved elements in the design of lightweight structural panels under combined loads of axial compression, inplane shear, and bending. Governing analytical static strength and stability equations and material and geometric constraint equations were incorporated in a random search type optimization computer program to identify minimum weight designs for several potentially efficient concepts. Buckling tests were conducted on subscale panels to identify local failure modes and provide for modification of local buckling theory where required. Full scale 40 X 40 inch (1 X 1 meter) panels were tested under combined loading to obtain failure data for correlation with theory. Modifications to failure theory were made as required. A nondestructive force-stiffness test technique was used in conjunction with the Moire' grid monitoring technique to provide extensive test data from a comparatively few test panels.

A summary of the total program (analysis, fabrication and test) is presented in document NASA CR-2514. Detailed descriptions of the analysis effort and of the fabrication development are contained in supplementary documents NASA CR-132460, and NASA CR-132482, respectively.

The report presented herein describes the test program which was conducted to provide the necessary experimental data to verify the design and analysis methods developed for beaded and tubular panels. Test results are summarized and presented for all local buckling and full size panel tests. Selected representatives test data from each of these tests is presented in detail. The results of this program have established a valid analysis and design procedure for circular tube panels. Test results from three other configurations have shown deformational modes which are not adequately accounted for in the present analyses.

INTRODUCTION

For several years the Langley Research Center has been investigating structural concepts which use elements with curved cross sections to develop beaded or corrugated skin panel structure as indicated in References 1 through 6. The curved sections exhibit high local buckling strength which leads to highly efficient structural concepts. These concepts can be applied where a lightly beaded external surface is aerodynamically acceptable or where the primary structure is protected by heat shields. Their corrugated nature makes them especially attractive for high temperature application because the controlled thermal growth minimizes thermal stress. The technology resulting from this program is applicable to various formable materials and to many areas such as launch vehicles, space vehicles and hypersonic aircraft.

A study was conducted to develop lightweight structural panels designed for combined loads of axial compression, inplane shear, and bending due to lateral pressure. (See References 6 and 7.) Governing analytical static strength equations for panels under combined load, and material and geometric constraint equations were incorporated in a random search type optimization computer program described in Reference 8 to identify minimum weight designs for several potentially efficient concepts. However, in order for these concepts to realize their analytical potential, all of the significant failure modes had to be properly recognized and accounted for. Consequently, a major fabrication and test development effort was planned and initiated. Buckling tests were conducted on sub-panels to identify local failure modes and provide the modification of local buckling theory where required. Full scale 40 x 40 inch (1 x 1 meter) panels were tested under combined loading to obtain large panel failure data for correlation with theory. A nondestructive force-stiffness test technique described in Reference 9, was used in conjunction with the Moire' grid monitoring technique to provide extensive test data including identification of buckling modes from a comparatively few test panels.

This report describes the test program which was conducted in support of the beaded and tubular structural panel development effort. The test specimen configurations, test facilities and procedures are discussed in detail. A detailed summary of test results for each panel type is presented, and representative test data from each local buckling and full scale panel test are presented in an Appendix.

SYMBOLS

D	generalized displacement or strain variable
D_{cr}	limiting strain for local instability or material failure
D_o	initial imperfection
e	Moire' grid line spacing, inches
F	generalized force
F_{cr}	general instability classical buckling load
F_c, F_b, F_s	failure stress in compression, bending, shear; KSI
L	specimen length, inches
M_x	bending moment, inch-pounds per inch
N_x	axial compression, pounds per inch
N_{xy}	in plane shear, pounds per inch
P	lateral pressure, pounds per square inch
P_c	applied compression load, kips
P_s	applied shear load, kips
R	radius of bead or tube wall, inches
t	thickness, inches
\bar{t}	average thickness, area per unit width; inches
α	bead semi-arc angle, degrees
δ	sensitivity of Moire' fringe pattern, inches per line
θ	angle of light source with respect to Moire' grid plane

31.0 TEST PROGRAM

The object of the test portion of the Advanced Structural Panels program was to determine static buckling strengths of beaded and tubular structural panels. Tests were conducted at room temperature on 7075-T6 aluminum test specimens. Two types of specimens were tested, local buckling specimens of uniform section with potted ends, and full size, 40 x 40-inch panels with formed end closures. Test loads were compression, bending, and shear, applied singly and in combination. The test specimens were designed for one of two load conditions:

- 1) $N_x = 600 \text{ lb/in}$, $N_{xy} = 200 \text{ lb/in}$, $p = 1.0 \text{ psi}$
- 2) $N_x = 2000 \text{ lb/in}$, $N_{xy} = 400 \text{ lb/in}$, $p = 2.0 \text{ psi}$

Additional tests were conducted on end closures and material coupons as required to fulfill design, manufacturing, or test requirements.

31.1 Local Buckling Specimen Tests

Data to support the local buckling strength analysis were obtained by testing uniform section specimens of each of four panel configurations plus a number of initial screening specimens.

Varying amounts of instrumentation, grid shadow moire monitoring technique, and force/stiffness (F/S) nondestructive buckling test methods were used with the different test specimens to permit monitoring stresses, out-of-plane deflections and the associated failure modes.

Local buckling specimen identification was as follows:

X	-	X	-	X	-	X	-	XXX	
								LOADING	{ C = COMPRESSION
									{ B = BENDING
									{ S = SHEAR
									SPECIMEN NUMBER WITHIN CONFIGURATION/
									DESIGN LOAD CONDITION/TYPE GROUP
									TYPE - U (LOCAL BUCKLING-UNIFORM SECTION)
									DESIGN LOAD CONDITION (1 LOW LOAD, 2 HIGH LOAD)
									CONFIGURATION TYPE

31.2 PANEL TESTS

40 x 40 inch panels of each of four configurations were tested under combined loads to obtain large panel failure data for correlation with theory.

Extensive instrumentation, sequence Moire' shadow photographs and force/stiffness (F/S) plots were used to monitor stresses, out-of-plane deflections and to permit identification of failure loads for as many as ten load conditions for each individual test panel.

Panel identification was as follows:

X	-	X	-	X	-	X	-	XXX	
								LOADING	{ C = COMPRESSION
									{ B = BENDING
									{ S = SHEAR
									SPECIMEN NUMBER WITHIN CONFIGURATION/
									DESIGN LOAD CONDITION/TYPE GROUP
									TYPE - P (40 x 40 INCH PANEL)
									1 = LOW LOAD
									DESIGN LOAD CONDITION
									2 = HIGH LOAD
									CONFIGURATION
									TYPE - 1A - FLUTED SINGLE SHEET
									2A - FLUTED TUBULAR
									2 - CIRCULAR TUBE

31.3 Supporting Tests

Material coupon tests were conducted to obtain material properties of the 7075-T6 sheet material used in the test specimen fabrication. Data obtained are presented in Volume 1, Design and Analysis.

Shear and compression tests were conducted on end closure sub-panel test specimens to support the development of panel close-outs for the 40 x 40 inch panels. The end closure details and test results are presented in Volume 2, Fabrication.

32.0 TEST SPECIMEN CONFIGURATION

Local buckling and full size 40 x 40 inch test specimens were fabricated from 7075-T6 aluminum sheet, selected to provide a high proportional limit plus ease of fabrication. The sheet was annealed, formed, and heat treated back to the -T6 condition.

32.1 Local Buckling Specimen Configuration

The cross-section details of all local buckling specimens fabricated for test are presented in Table 32-1. Specimens fabricated for combined loading were typically about 18 inches wide, 10 inches long and had chords attached along the free edges to stabilize the edges and to reduce the in-plane bending stresses. The combined load specimens were potted 4.75 inches thick each end to facilitate loading in the combined load test fixture. Figure 32-1 shows a typical combined load local buckling specimen.

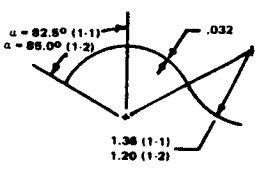
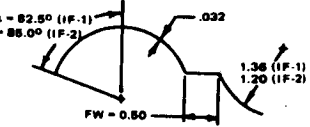
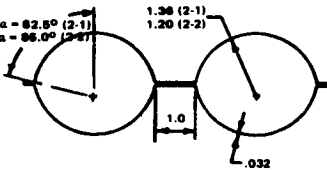
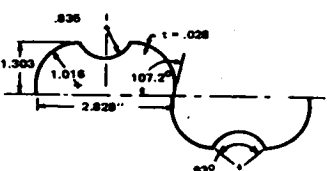
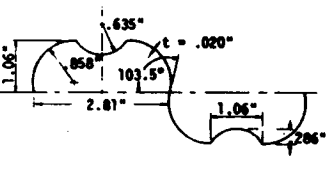
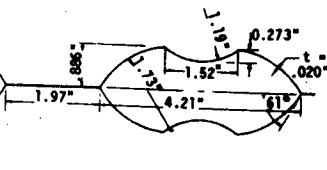
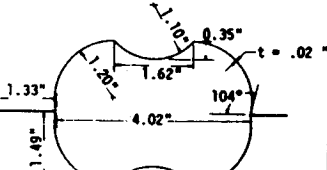
The single sheet fluted combined load specimens were fabricated 30 inches long since screening tests indicated local failure modes were of relatively long wave length. Figure 32-2 shows a fluted single sheet test specimen.

Local buckling specimens programmed for compression load only were potted 2.0 inches thick on the ends with straight runouts along the vertical edges. The ends were milled flat and parallel $\pm .002$ in. for testing in a universal test machine. The specimens were typically 18 inches wide and either 10 inches or 30 inches long. Figure 32-3 shows typical compression load local buckling test specimens.

32.2 Panel Configuration

The cross-section details of the four full size 40 x 40 inch panels fabricated for test are presented in Table 32-2. Assembly of the two sheet panels was accomplished by bonding in a fixture which restrained the two beaded sheets and the necessary doublers. The two sheet panels were closed out at both ends, and doublers were bonded to all four edges to provide adequate bearing strength at attachment locations.

Table 32-1: MATRIX OF LOCAL BUCKLING PANELS

CODE	CROSS-SECTION DETAILS	NO. TESTED	LOAD CONDITIONS	LOCAL BUCKLING TEST RESULTS USED FOR-
1-1-U-X-X		4	COMPR	SCREENING
1-2-U-X-X		2	COMPR	SCREENING
1F-1-U-X-X		6	COMPR COMPR/BEND SHEAR	SCREENING
1F-2-U-X-X		2	COMPR	SCREENING
2-1-U-X-X		NONE	NONE	SCREENING
2-2-U-X-X		5	BEND. SHR. COMPR. COMPR/BEND COMPR/SHR	MAJOR PANEL 2-2-P-X-CBS
1A-1-U-X-X		4	COMPR BEND SHR	SCREENING
1A-2-U-X-X		7	SHR COMPR/BEND COMPR/SHR ALL BEND COMPR	MAJOR PANEL 1A-1-P-X-CBS
2A-1-U-X-X		8	COMPR SHR BEND COMPR/BEND BEND/SHR COMPR/SHR ALL	MAJOR PANEL 2A-1-P-X-CBS
2A-2-U-X-X		8	COMPR SHR BEND COMPR/BEND BEND/SHR COMPR/SHR ALL	MAJOR PANEL 2A-2-P-X-CBS

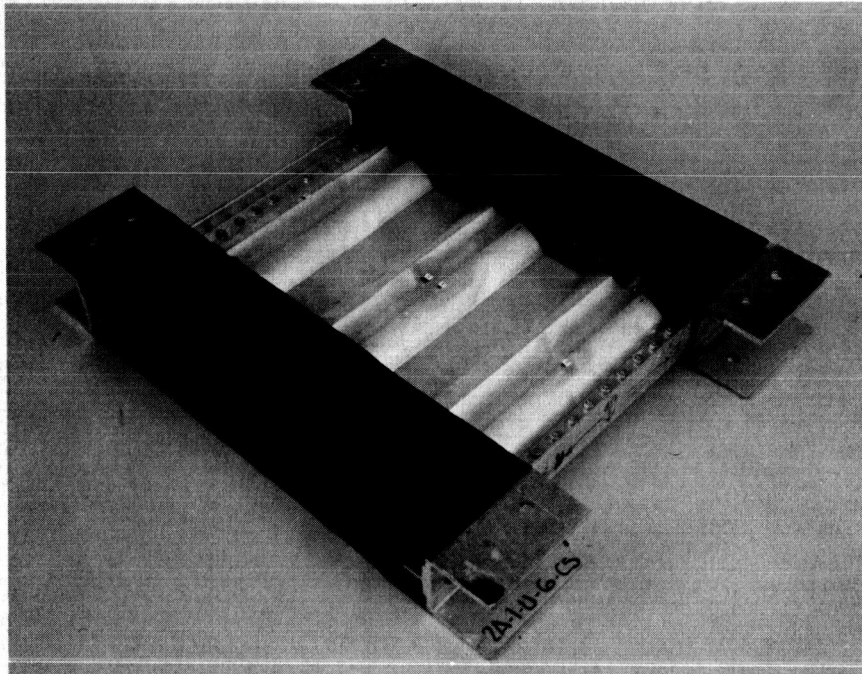


Figure 32-1: LOCAL BUCKLING TEST SPECIMEN—FLUTED TUBE—LOW LOAD

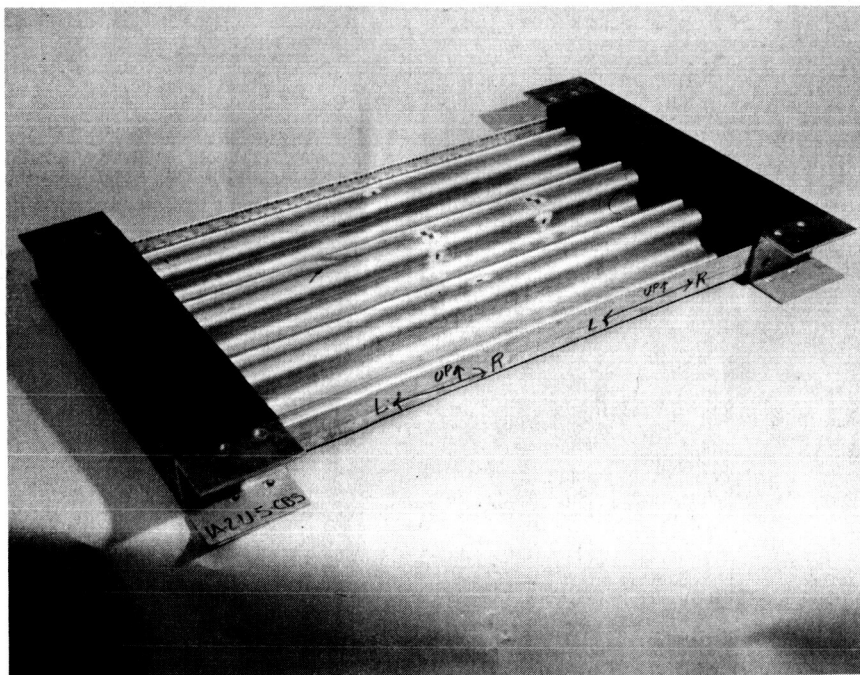


Figure 32-2: LOCAL BUCKLING TEST SPECIMEN—FLUTED SINGLE SHEET—LOW LOAD

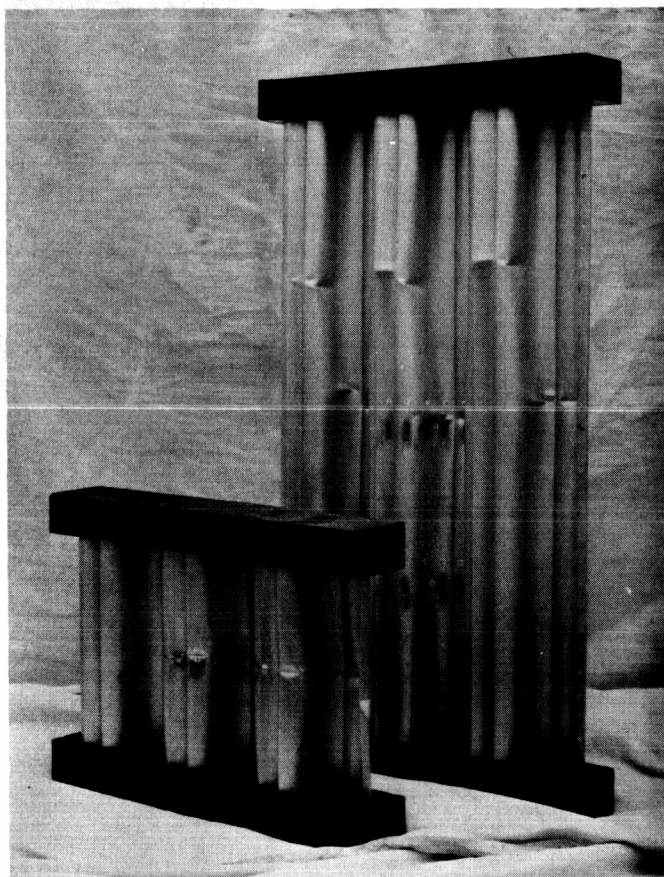
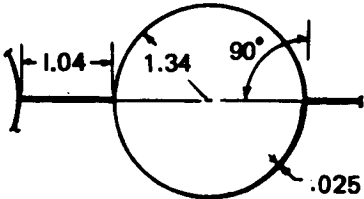
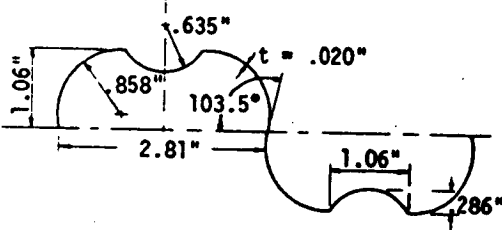
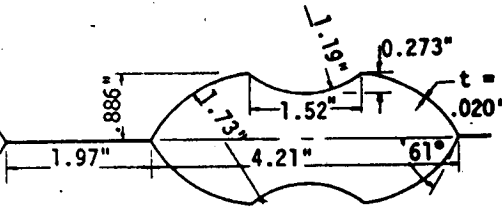
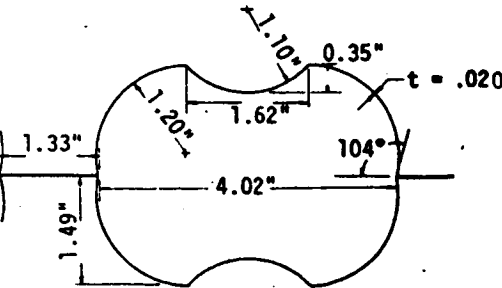


Figure 32-3: COMPRESSION PANELS—FLUTED SINGLE SHEET—LOW LOAD

Table 32-2: MATRIX OF PANELS

CODE	CROSS-SECTION DETAILS	NO. TESTED	LOAD CONDITIONS	DESIGN CONDITIONS
2-2-P-X-CBS		3	COMPR/SHR/BEND SINGLY OR IN COMBINATION	2000 LB/IN COMPR. 2 PSI BEND. 400 LB/IN SHR.
1A-1-P-X-CBS		2	COMPR/SHR/BEND SINGLY OR IN COMBINATION	600 LB/IN COMPR 1 PSI BENDING 200 LB/IN SHR.
2A-1-P-X-CBS		2	COMPR/SHR/BEND SINGLY OR IN COMBINATION	600 LB/IN COMPR 1 PSI BENDING 200 LB/IN SHEAR
2A-2-P-X-CBS		3	COMPR/SHR/BEND SINGLY OR IN COMBINATION	2000 LB/IN COMPR 2 PSI BEND. 400 LB/IN SHEAR

The high load tubular panel, eleven full beads wide, is shown on Figure 32-4. The low load fluted tubular panel, seven full beads wide, is shown on Figure 32-5. The high load fluted tubular panel, eight full beads wide, is shown on Figure 32-6.

The low load fluted single sheet panels, seven full cycles wide, were closed out at both ends by bonding the uniform section into an electrical discharge machine (EDM) groove one-half inch deep in an end adapter fitting. Doublers were bonded to the two free edges to provide adequate bearing strength at attachment locations. The fluted single sheet panel is shown on Figure 32-7.

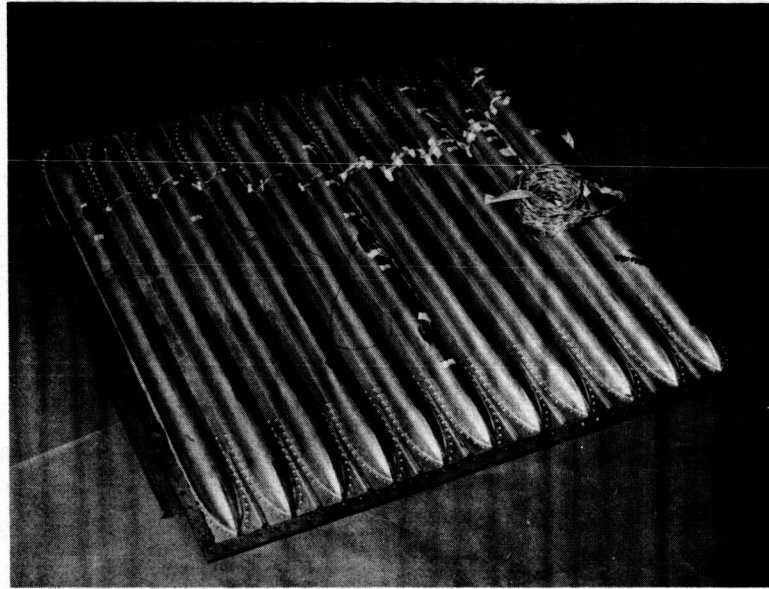


Figure 32-4: 40 X 40 INCH PANEL—CIRCULAR TUBE—HIGH LOAD

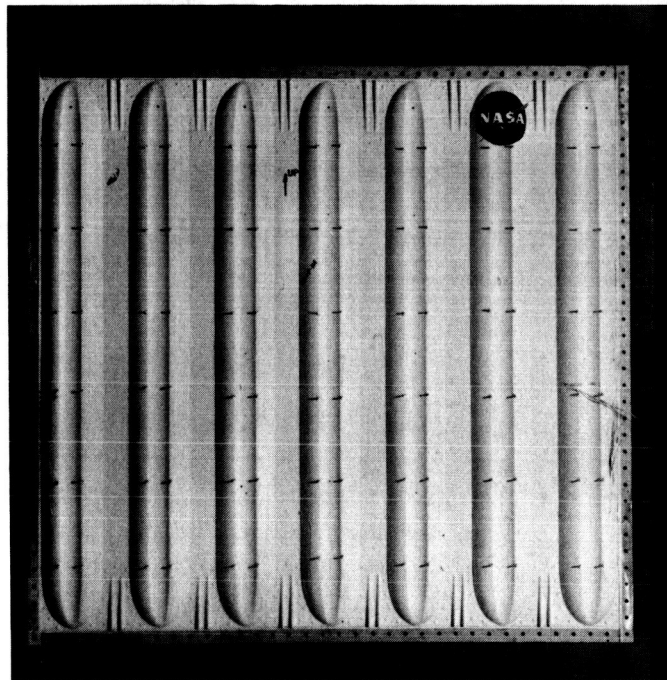


Figure 32-5: 40 X 40 INCH PANEL—FLUTED TUBE—LOW LOAD

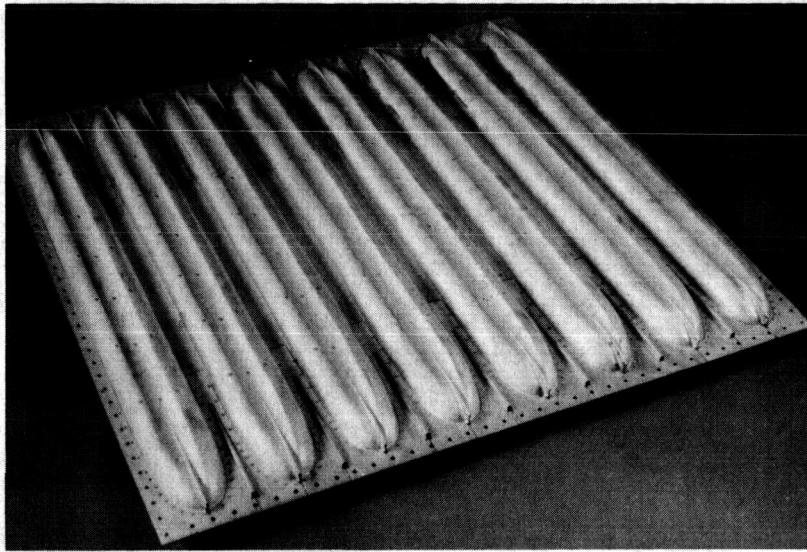


Figure 32-6: 40 X 40 INCH PANEL—FLUTED TUBE—HIGH LOAD

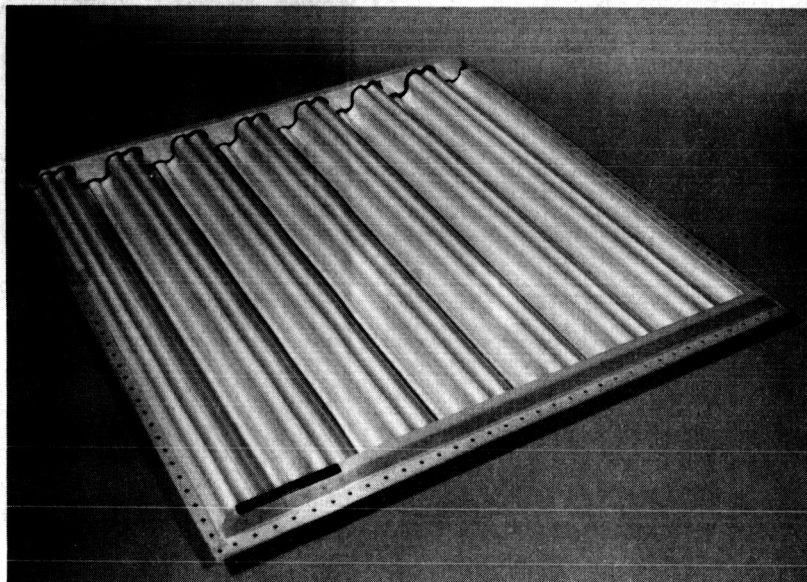


Figure 32-7: 40 X 40 INCH PANEL—FLUTED SINGLE SHEET—LOW LOAD

33.0 TEST SETUP AND PROCEDURE

The local buckling specimens were tested in a fixture which provides the capability to apply, separately or in combination, compression, shear and bending. Where compression load only was required, the local buckling specimen was installed in a universal test machine.

The 40 X 40 inch panels were tested in a combined load fixture capable of applying combined compression, shear and lateral pressure.

33.1 Local Buckling

Program emphasis toward local failure modes necessitated the design and fabrication of a test facility capable of separate and combined loading in compression, bending and shear. The fixture used for these tests is shown schematically in Figure 33-1.

The compression load system consisted of two R40-6 hydraulic actuators installed along the panel edges, pinned at both ends through spherical ball bushings. A 50 KIP tension/compression load cell was installed in each system. The bending load system consisted of two R20-12 hydraulic actuators with a 5 KIP load cell in each system. The shear load system consisted of one R40-6 hydraulic actuator, an evenner system spanning the test panel and a 50 KIP tension load cell. Lead weights were used to counterbalance the fixture and specimens in the bending plane and in the shear plane.

Steel adapters were match drilled to the test fixture and, in turn, these adapters were used as drill templates to drill 3/4 diameter attachment holes for installation of the specimen in the test fixture.

The specimen, inserted in the adapter fittings, was set in the fixture grips and the counterbalance system adjusted as required to free the alignment bolts. The specimen was then bolted in the fixture grips. The shear load actuator, load cell and evenner system, if required, was then installed and counterbalanced as a unit. The alignment bolts (2 locations) were removed

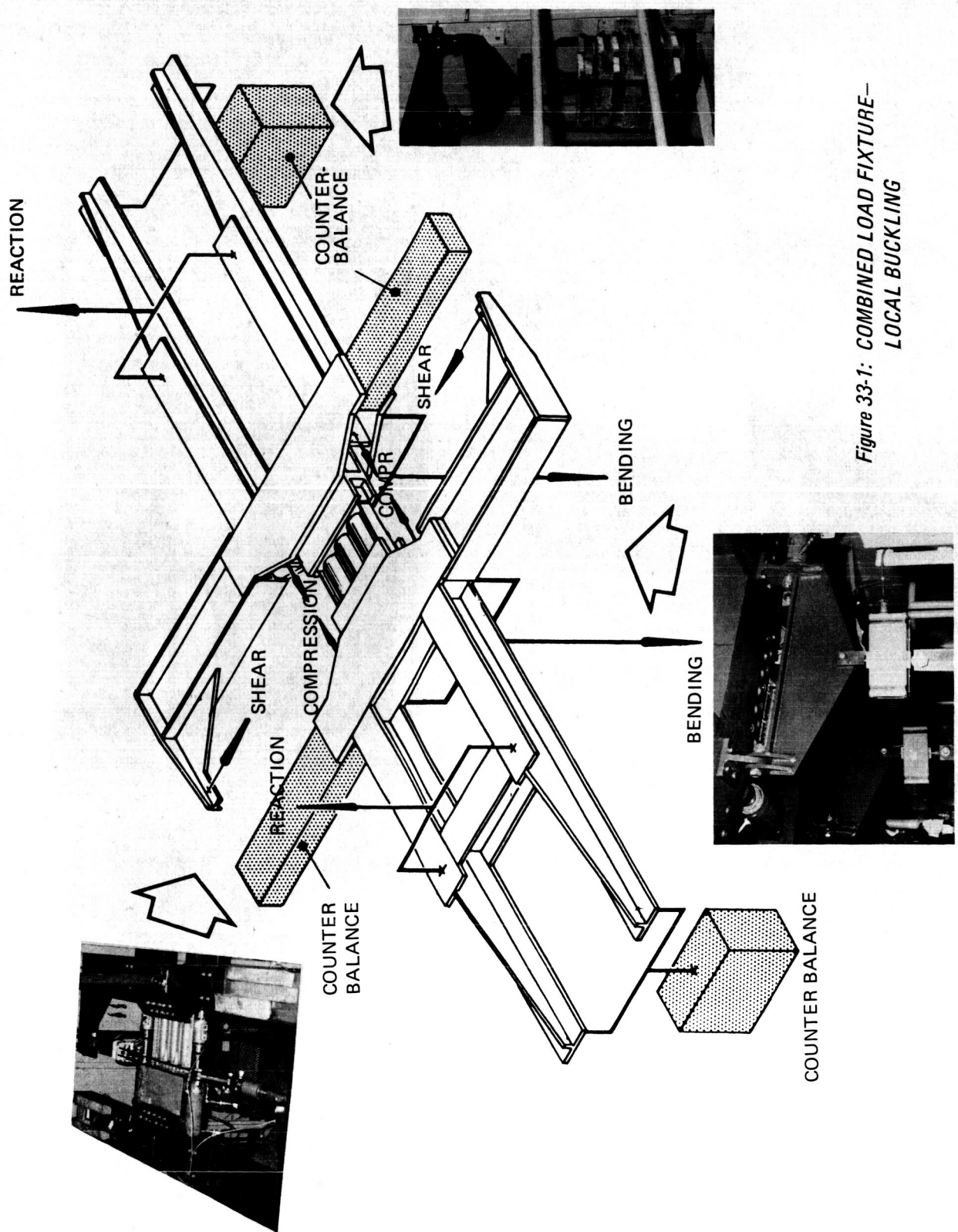


Figure 33-1: COMBINED LOAD FIXTURE—
LOCAL BUCKLING

and all instrumentation zeroed. Loads were applied incrementally as requested on-site by the test monitor. Load readout was obtained from a load cell readout on a digital voltmeter. Strain gage outputs were read manually on a Minneapolis Honeywell Speedomax. Detailed sketches of transducer locations are presented in Appendix A1.

The local buckling specimens tested in compression only were installed in a 120 KIP or 360 KIP universal test machine shown in Figure 33-2. Uniaxial strain gages were installed on uniform section specimens in the transverse and/or longitudinal direction to obtain indicated stress distribution in conjunction with obtaining force stiffness plots at several panel locations. An edge support fixture was devised and utilized on local buckling compression specimens as shown on Figure 33-3. The fixture provides edge restriction for lateral motion both in-plane and out-of-plane, but offers minimum restraint to vertical movement. Each test specimen was centered on the base of the universal test machine. The upper load head was brought in contact, alignment checked and shims installed between the specimen and upper load head, if required. At this point, the edge support was bolted or clamped to the panel. Test specimens were incrementally loaded as requested on-site by the test monitor. Strain data was recorded and force/stiffness plots made to obtain failure predictions. Specimens were then tested to failure to verify the force/stiffness predictions.

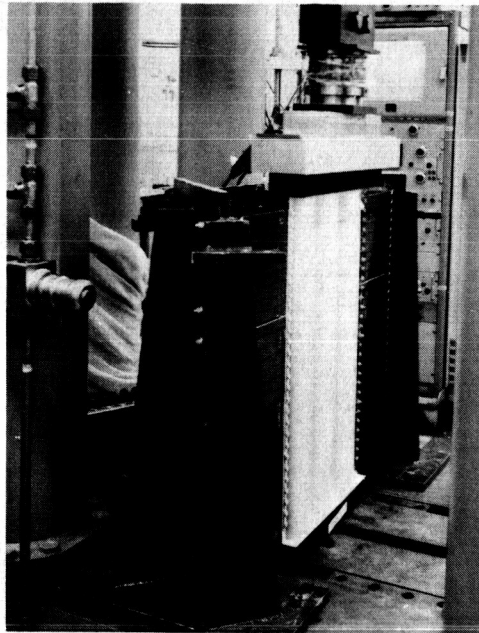


Figure 33-2: COMPRESSION TEST-SETUP-LOCAL BUCKLING

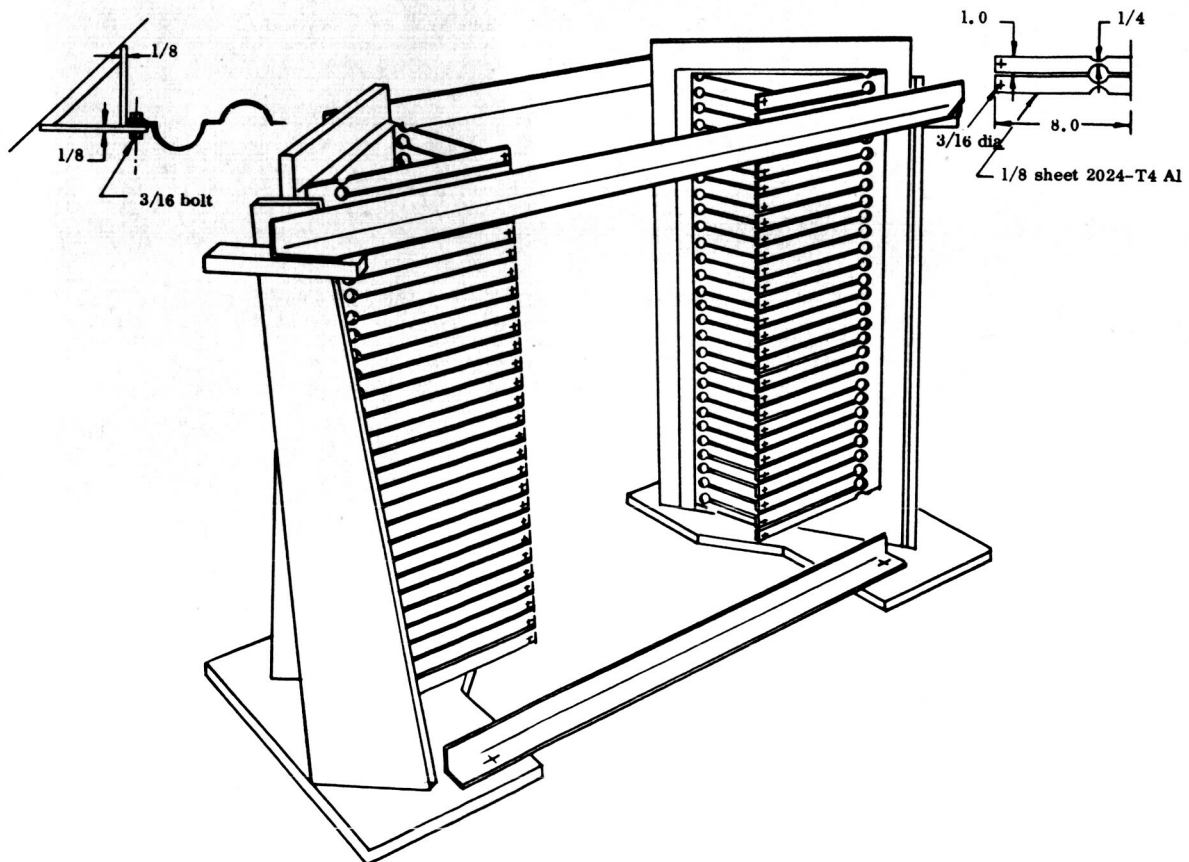


Figure 33-3: SERRATED EDGE SUPPORT FIXTURE-COMPRESSION PANELS

33.2 Panels

Full size, 40 x 40 inch panels of each of the final four designs were fabricated and tested under combined loads in the fixture shown schematically in Figure 33-4. The combined load test technique was an extension of a system developed to test shear beams in support of the Boeing SST development program. Compression was applied to the panel by the two vertical actuators, and shear was applied by the horizontal actuator shown to the left of the test panel. An air bag pressure system, located behind the test panel, was used to produce bending. (See Figures 33-5 and 33-6.) Extensive finite element analyses were conducted to support the design of the test beam and its chords, joints, buffer bays and loading plates, to minimize the undesirable influences of the boundary members upon the stress distributions within the test panel. The in-plane moments of inertia of the joint members and the chords of the test beam were minimized in order to minimize the Vierendeel truss effect. It was necessary to provide enough lateral and torsional stiffness in the chord and joint members to prevent local instability in the boundary members. A rigid truss system and pivoting links (hinges) were used, as seen in Figure 33-6, to restrict the motion of the test beam to a single plane and prevent general instability in the beam.

Loads applied to the panel were controlled by a closed loop servo system, consisting of a controller, a hydraulic servo valve, a hydraulic actuator and a load cell for feedback (See Diagram Figure 33-7). Load levels were determined by an electrical signal provided by an SDS 910 computer. The signal from the computer was applied simultaneously to all controllers to assure required load distribution.

A 0-6 psi pressure regulator was used to control the pressure load. The regulator was adjusted to provide the desired pressure prior to the start of a load condition, and maintained throughout that condition. The pressure regulator and the pressure transducer are shown in Figure 33-6.

Test specimen protection was provided by a hydraulic pressure dump system. A voltage level detector would trigger an audible alarm and subsequent dump should the load deviate outside predetermined limits.

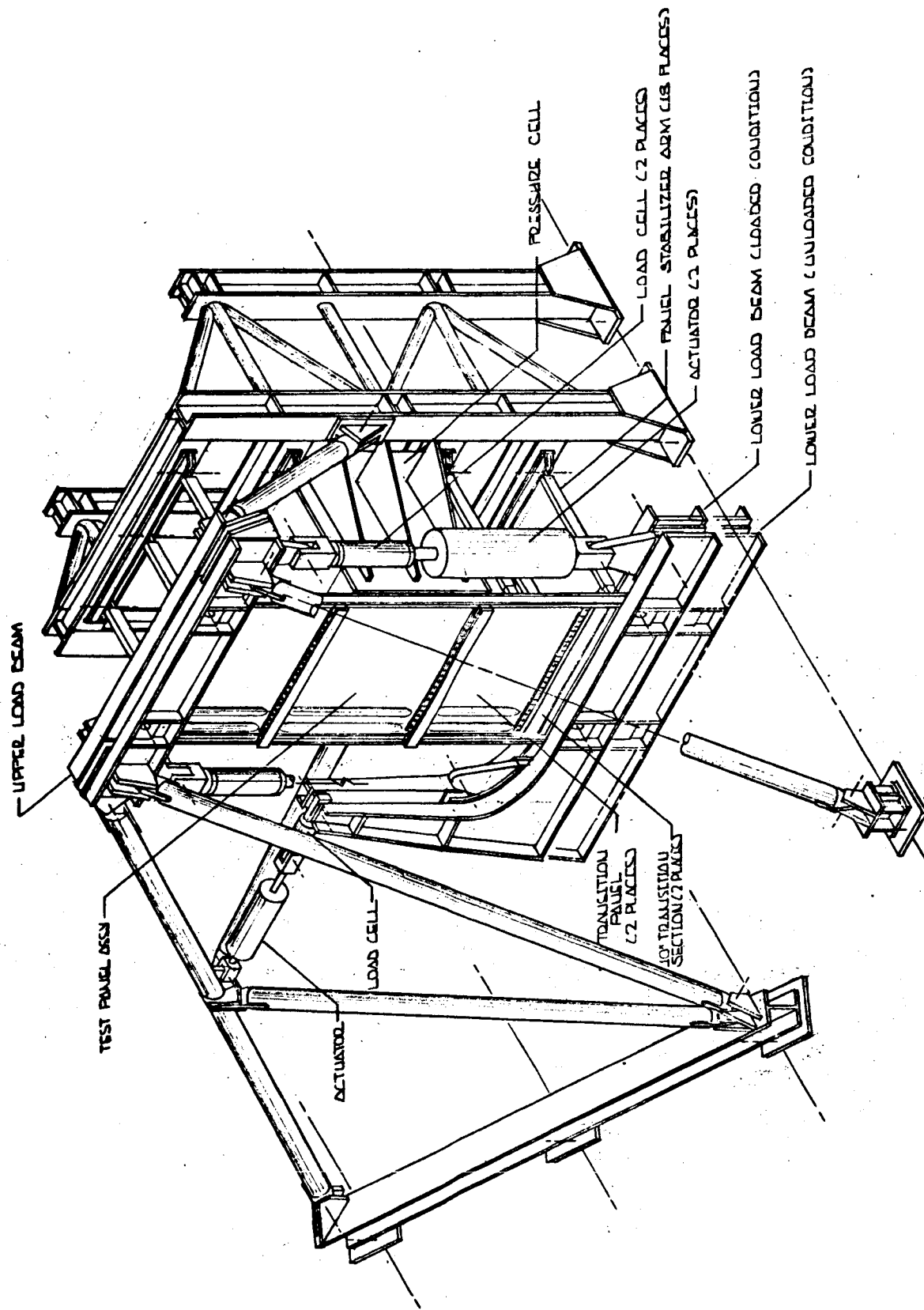


Figure 33-4: 40 X 40 INCH PANEL COMBINED LOAD FIXTURE

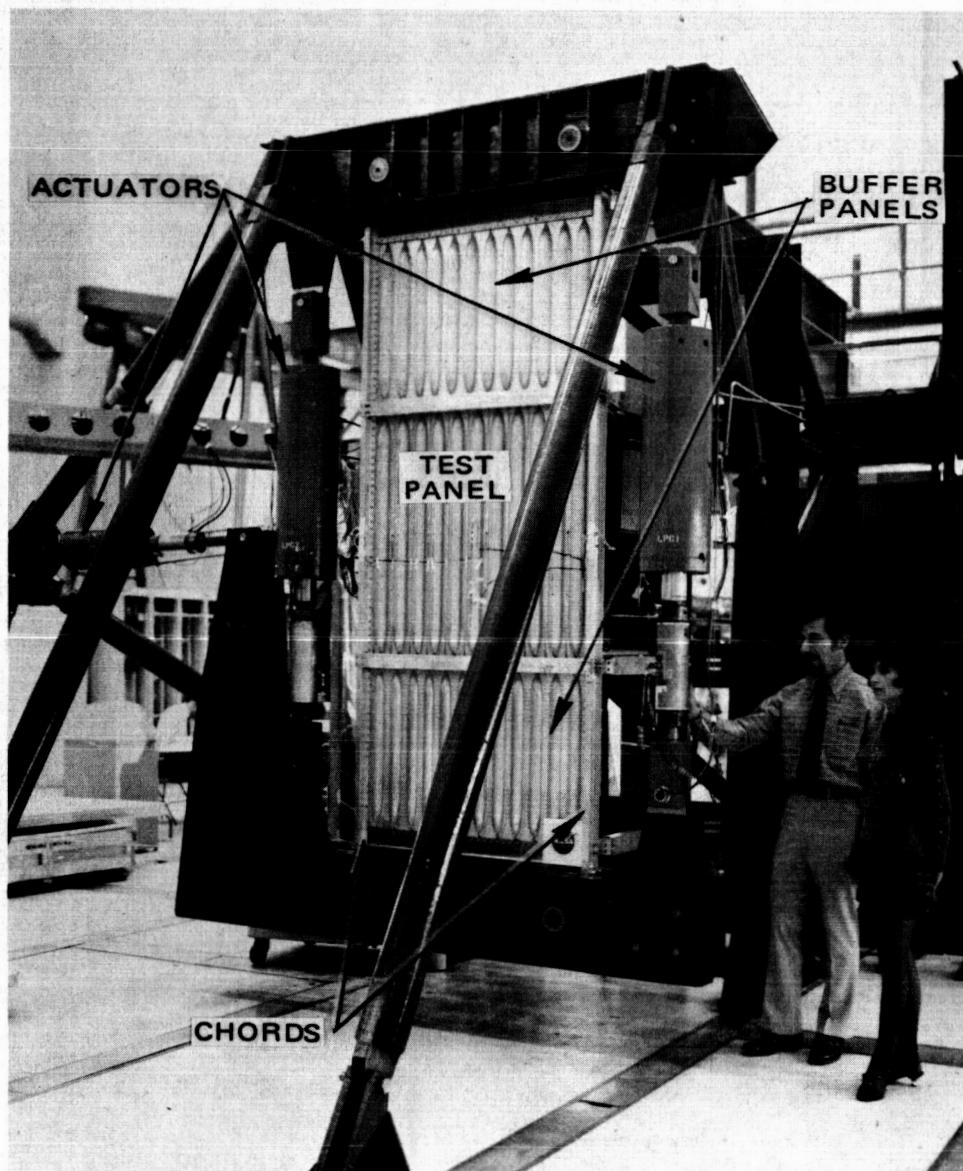


Figure 33-5: TEST SETUP – 40 X 40 INCH PANEL TESTS

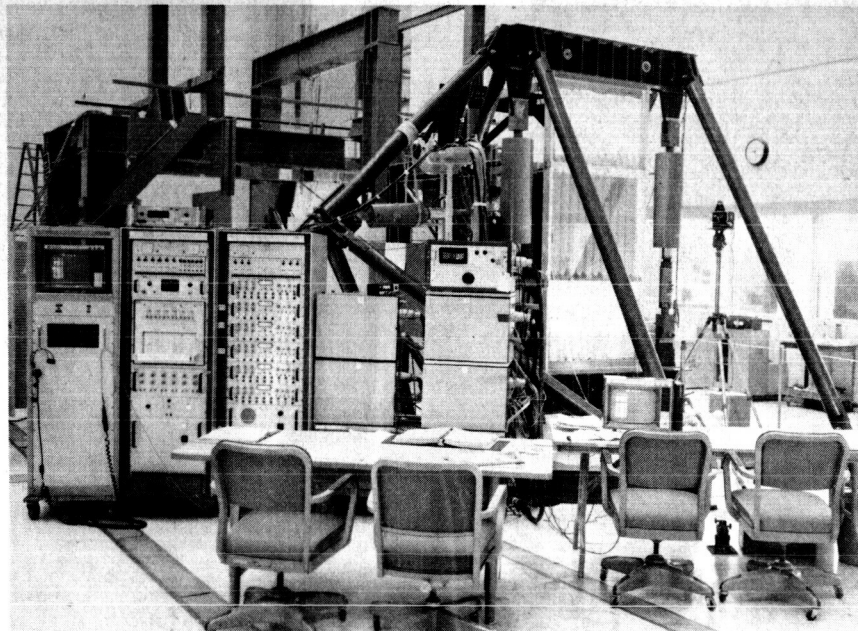
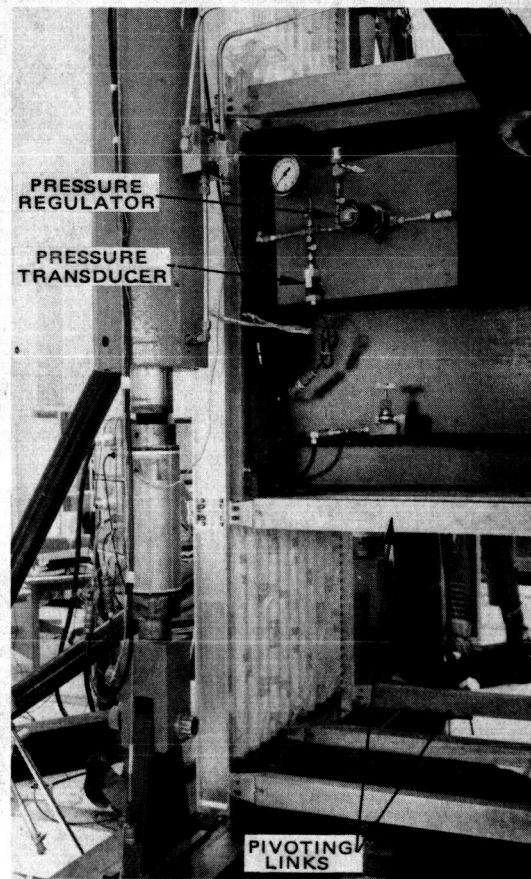


Figure 33-6: 40 X 40 INCH PANEL COMBINED LOAD FIXTURE

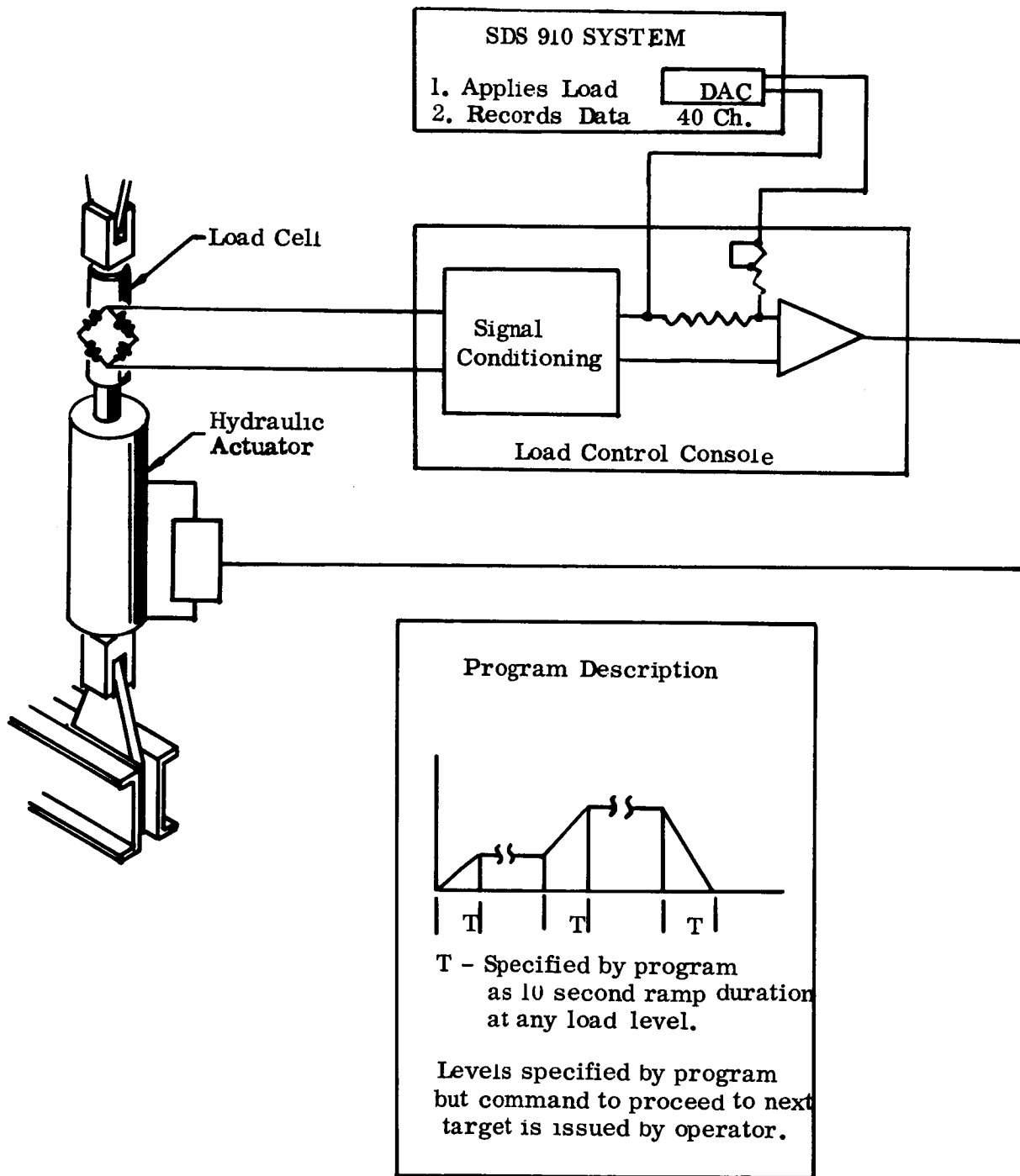


Figure 33-7: AUTOMATIC LOAD CONTROL SYSTEM— 40 X 40 INCH PANELS

Uniaxial and rosette strain gages plus electrical deflection indicators were installed on each panel. Detail sketches of transducer locations are presented in Appendix A2.

34.0 DATA ACQUISITION

Methods used to monitor the tests while in progress consisted of the following:

- o Force/Stiffness Technique
- o Moire' Grid Technique
- o Electronic Instrumentation

Tables 34-1 (Local Buckling Test Specimens) and 34-2 (Panel Test Specimens) indicate the method or combination of methods used to monitor each of the local buckling and panel specimens tested.

A description of each method is contained in the following sections.

34.1 Force/Stiffness Nondestructive Testing

One of the unique features of this program is the use of the Force/Stiffness (F/S) nondestructive test technique which permits identification of several different failure loads from a single test specimen. This technique works quite well for failure modes which exhibit out-of-plane displacement which can be observed and measured at several load levels less than the failure load.

The classical buckling deformations of an initially imperfect structure can usually be represented quite accurately by the well known equation

$$D = \frac{D_o}{(F_{cr}/F)-1}$$

where D and F are, respectively, displacement or strain, and force or pressure quantities. D_o is an initial imperfection and F_{cr} is a general instability classical buckling load. This equation is easily put in the form


$$\frac{F}{D} = \frac{F_{cr}-F}{D_o}$$

Table 34-1: DATA ACQUISITION METHODS LOCAL BUCKLING TEST SPECIMENS

TEST SPECIMEN	STRAIN GAGE INSTALLATION (APPENDIX A1)			ELEC DEFL INDICATOR (EDI)	MOIRE' GRID	LOAD CELL
	LONG.	TRANS.	ROSETTE			
1A-2-U-1-S	—	—	—	—	YES	1
1A-2-U-2-S	—	—	—	—	YES	1
1A-2-U-3-CB	14	—	—	3	NO	4
1A-2-U-4-CS	2	4	10	—	↑	3
1A-2-U-5-CBS	2	4	10	3		5
1A-2-U-8-B	6	—	—	—		2
1A-2-U-9-C	12	4	—	—		UTM*
2-2-U-1-B	6	—	—	—		2
2-2-U-2-S	8	—	2	—		1
2-2-U-3-C	6	—	—	—		UTM*
2-2-U-4-CS	8	—	6	—		3
2-2-U-5-CB	6	—	—	6		4
2A-1-U-1-C	10	—	—	—		UTM*
2A-1-U-2-C	16	—	—	—	NO	UTM*
2A-1-U-3-CB	8	—	—	3	YES	4
2A-1-U-4-S	—	—	—	—	NO	1
2A-1-U-5-BS	6	—	1	3	YES	3
2A-1-U-6-CS	6	—	3	—	NO	3
2A-1-U-7-CBS	6	—	2	3	↑	5
2A-1-U-10-B	6	—	—	—		2
2A-2-U-1-C	8	—	—	—	NO	UTM*
2A-2-U-2-C	16	8	—	—	YES	UTM*
2A-2-U-3-S	—	—	—	—	YES	1
2A-2-U-4-CS	—	—	7	—	NO	3
2A-2-U-6-CB	8	—	—	3	↑	4
2A-2-U-7-BS	6	—	1	3		3
2A-2-U-9-CBS	6	—	2	3	↓	5
2A-2-U-10-B	14	—	—	—		2

*TEST CONDUCTED IN UNIVERSAL TEST MACHINE FOR INCREASE IN ACCURACY AND DECREASE IN COST.

Table 34-2: DATA ACQUISITION METHODS — PANEL TESTS

MAJOR PANEL	STRAIN GAGES			EDI'S	MOIRE' GRID	LOAD CELL
	LONG.	TRANS.	ROSETTE			
2-2-P-1-CBS	14	0	16	3	YES	3
2-2-P-2-CBS	18	0	10	2	YES	3
2-2-P-3-CBS	20	0	9	2	NO	3
1A-1-P-1-CBS	14	6	12	2		3
4						
1A-1-P-2-CBS	14	8	12	2		3
4						
2A-1-P-1-CBS	22	0	12	8		3
4						
2A-1-P-1M-CBS	22	0	12	8		3
4						
2A-2-P-1-CBS	18	0	12	4		3
3						
2A-2-P-2-CBS	18	0	12	2		3
3						
2A-2-P-3-CBS	18	0	12	2	YES	3
3						

STRAIN GAGES (UNIAXIAL) INSTALLED ON THE VERTICAL EDGE CHORDS.

from which it is seen that F/D vs. F (the F/S plot) is a straight line intersecting the F -axis at the critical general instability load, F_{cr} . This simple consideration suggests that, even for complex buckling problems, an F/S plot which is inclined downward to the right is a clear indication of approaching buckling. For buckling which is classical, or is classical in its early stages, the intersection of this line with the horizontal axis, obtained by extrapolation during testing, is an estimate of the general instability load.

As an example Figure 34-1 shows (F/S) plots of this type for two identical test specimens (1A-2-U-4 and 1A-2-U-5) for the load condition $N_x/N_{xy} = 3$. Although the (F/S) plots are different for the two specimens, the F/S value predicted for the -5 specimen is nearly identical to the failure load for the -4 specimen. Also shown are test results for the -5 specimen for the two other load conditions which further illustrates the ability to achieve numerous failure data from a single specimen by using the F/S method.

The buckling failure of a test specimen is ultimately caused by material failure and/or by a local crippling instability which renders the specimen incapable of supporting load. If a strain level is determined either analytically or by tests of coupon specimens, at which local failure will occur, this limiting strain value can be represented conveniently on an F/S plot as shown in Figure 34-2. The limiting strain, denoted by D_{cr} , is represented by a straight line passing through the origin, whose (scaled) inverse slope is D_{cr} . In a test of a structure which incorporates parts whose local strength is represented by D_{cr} , failure is indicated by the intersection of the F/S plot with the limiting strain line. Figure 34-2 illustrates such indicated failure for two types of pre-failure behavior: linear elastic behavior, which plots as a straight horizontal line; and a buckling behavior, which shows a downward-to-right slope. This approach has proved very valuable for nondestructive local buckling (failure) prediction.

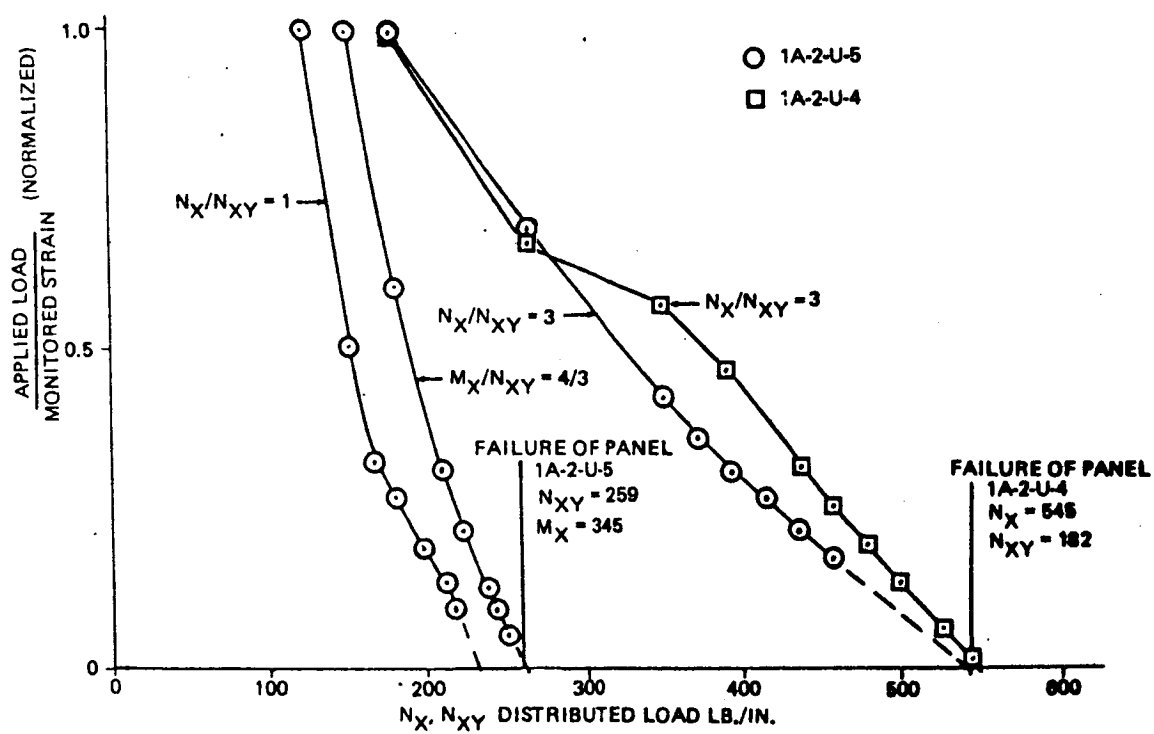


Figure 34-1: F/S TESTING OF ADVANCED STRUCTURAL PANELS

The use of the F/S nondestructive test technique has made it possible to obtain far more test data from this program than could have been obtained by simply testing specimens to failure. F/S test data for both general and local buckling failure are presented in Section 35.2. A detailed development of the F/S test technique is presented in Reference 9.

34.2 Grid-Shadow Moire' Data System

The grid-shadow Moire' system is depicted by the sketch in Figure 34.3. The resultant Moire' lines are laterally out of plane contour lines in which the reference plane is the ruled grid plane shown in the figure. The grid scale or displacement value is a function of the grid interval and the angle θ to the light source.

The grid-shadow Moire' technique uses a point source high intensity light projected through a ruled grid onto the test panel, (Figure 34-3). Lateral panel deflections are made visible by distortions of the projected grid which appear as a contour map of the deflected surface when viewed through the ruled grid. Figures 34-4 and 34-5 illustrate a Moire' fringe pattern using a grid spacing of .03 inch and $\theta = 60^\circ$. Each line represents approximately .017 inches lateral deflection. This technique permits monitoring of tests in progress and permanent photographic records of test specimen deflections.

34.3 Instrumentation

There were four types of instrumentation and associated data available for use in monitoring and recording the various tests. They included load cells, strain gages, electrical deflection indicators (EDIs) and the grid-shadow Moire' system. The data from the first three are obtained by the electronic data system and the Moire' data is recorded photographically.

Varying numbers of strain gages and EDIs were used with the various local buckling tests (Table 34-1) depending upon the requirements and objectives of the individual tests. The associated data were obtained from a Speed-O-Max read out and recorded manually. Strain gage and EDI locations for the local buckling panels are presented in Appendix A1.

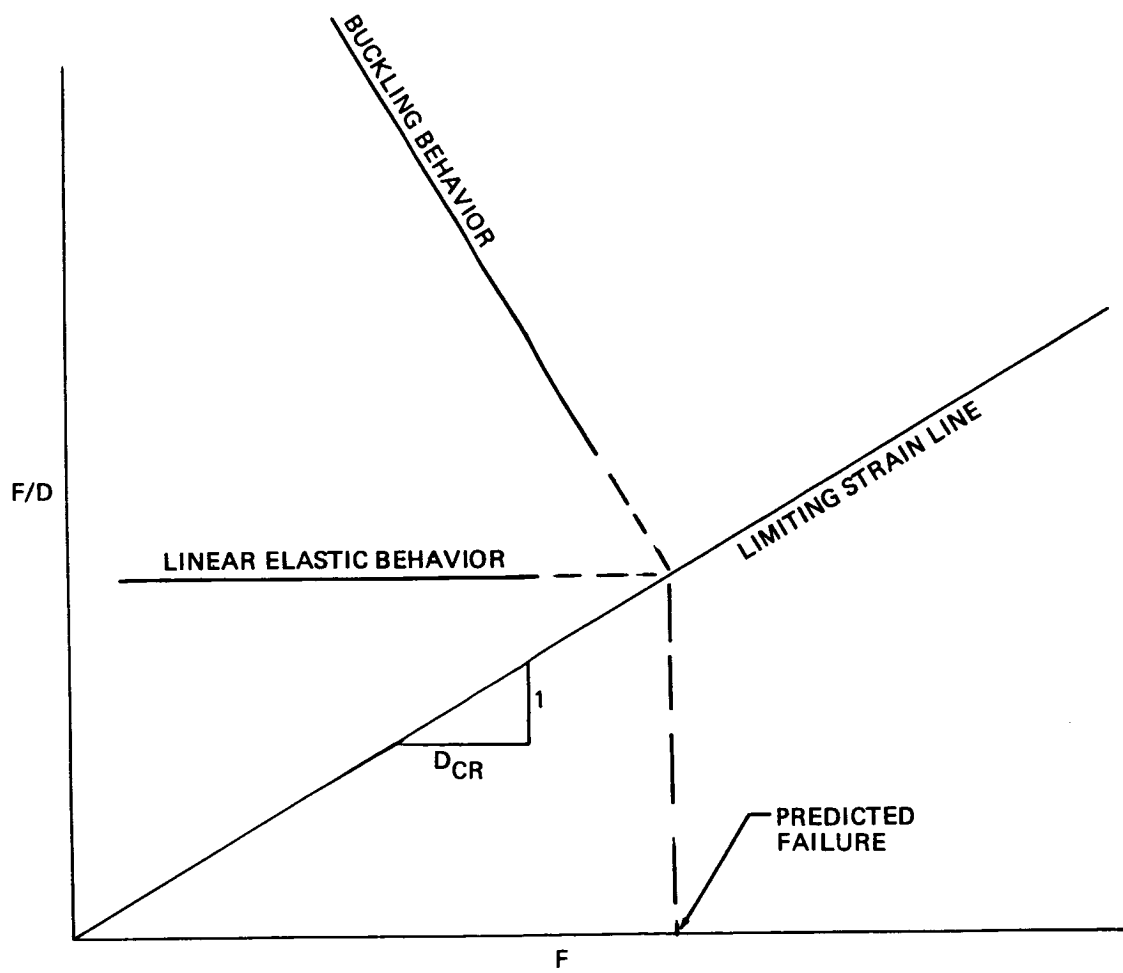
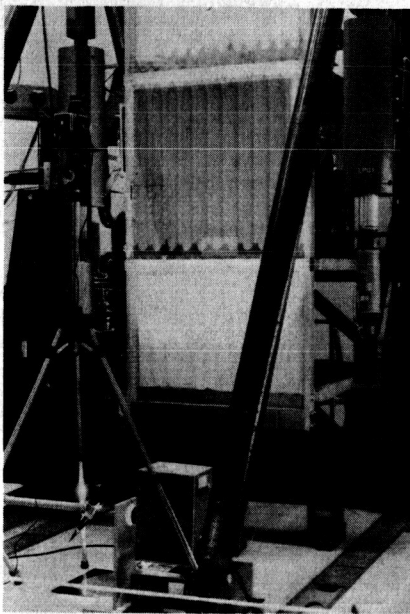


Figure 34-2: F/S PLOTS FOR LOCAL BUCKLING FAILURE PREDICTIONS



TYPICAL MOIRE' GRID TEST SETUP

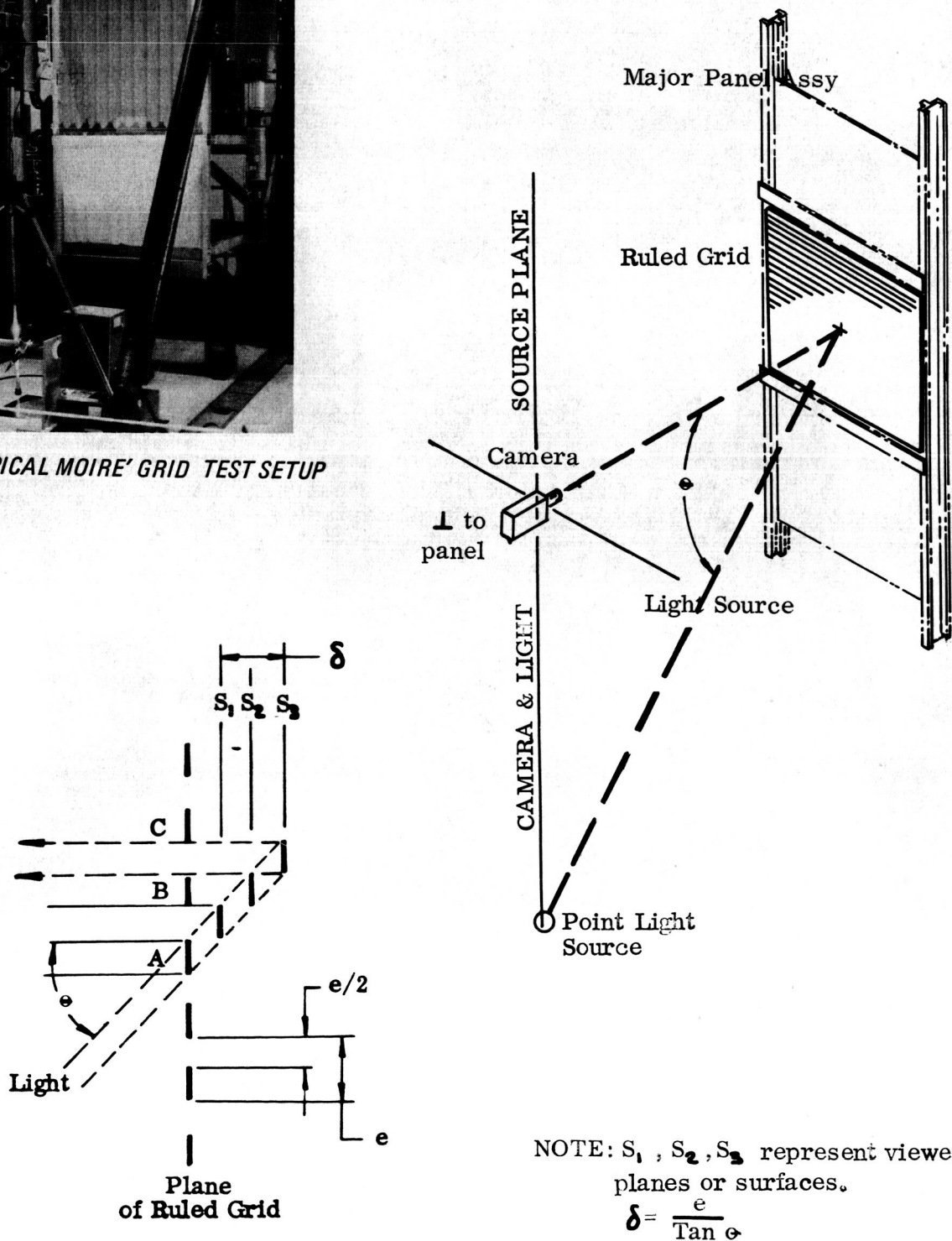


Figure 34-3: SCHEMATIC OF PANEL AND GRID SHADOW MOIRE' COVERAGE

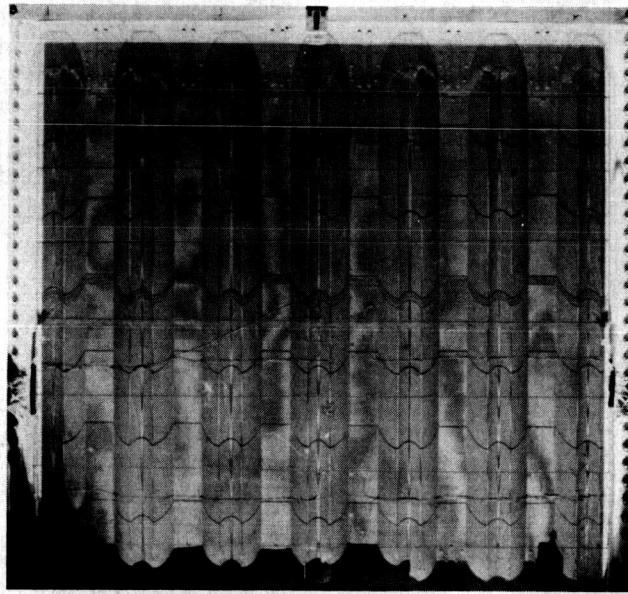


Figure 34-4: 2A-1-P-1-CBS MOIRE' 0% LOAD COMPRESSION

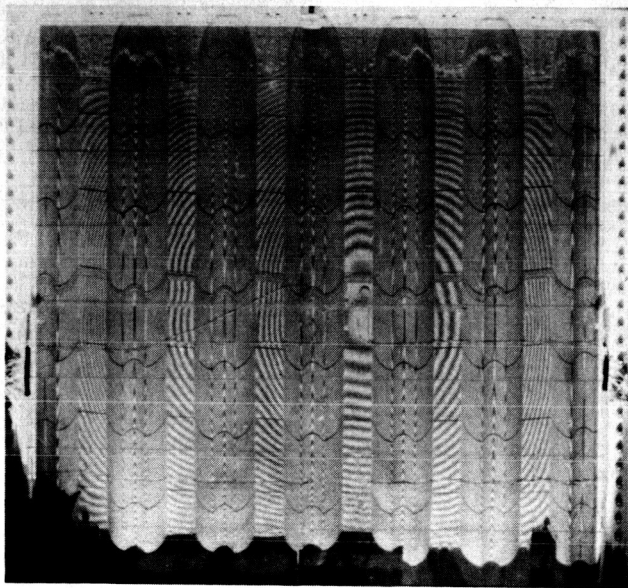


Figure 34-5: 2A-1-P-1-CBS MOIRE' 50% LOAD AT 1.00 PSI COMPRESSION

A much more extensive amount of data was generated by the panel tests. As many as 70 strain gage channels were employed in the tubular panel tests. An SDS 910 computer provided a 500 channel digital data acquisition, processing and test control system which scanned data at rates of 32 samples/second. Data were presented in engineering units while the test was in progress. A remote TV was used to display the data at the test site, updated every 3 seconds. Several load/strain ratios, were displayed as required for monitoring force/stiffness plots during the test. All of the data from the electronic data system were recorded on command on magnetic tape for post test access. These data have also been tabulated and will be retained for future access. The volume of the data makes it impossible to present more than a representative sample. Strain gage and EDI locations for all the panels tested are presented in Appendix A-2.

35.0 TEST RESULTS

A total of forty-six uniform section local buckling specimens were tested to failure in various load conditions, either in the local buckling combined load fixture or in a universal static test machine. Eighteen of the local buckling specimens tested were screening configurations and are not reported. Test data obtained from the remaining twenty eight specimens were used in the design optimization of the major panel configurations.

Ten full size panels of the four final configurations were tested in various load conditions and to subsequent failure in the NASA major panel combined load test fixture. The ten basic load conditions applied to each panel were:

- Condition 1 - Compression only
- Condition 2 - Shear only
- Condition 3 - Compression/shear
- Condition 4 - Compression/shear
- Condition 5 - Compression/pressure
- Condition 6 - Compression/pressure
- Condition 7 - Shear/pressure
- Condition 8 - Shear/pressure
- Condition 9 - Compression/shear/pressure
- Condition 10 - Compression/shear/pressure

When load conditions were repeated to higher magnitudes, a tens digit was added to the condition number thus condition 54 would be the sixth load application of condition 4.

35.1 Local Buckling Test Results

35.1.1 Circular Tube - High Load

Test data were obtained from five circular tube test specimens, all with $L = 10.0$ inch test length. Four specimens were tested in the local buckling test fixture (Figure 33-1) and one (2-2-U-3-C) was failed in compression in

a universal static test machine. A tabulation of specimen failure mode, ultimate stress, F/S plots and failure photos is shown in Table 35-1. Strain gage and deflection data for incremental loading of the test specimens is presented in Appendix A1. An index to the data obtained can be found on Page A2.

35.1.2 Fluted Single Sheet - Low Load

Test data were obtained from six fluted single sheet test specimens with $L = 30.0$ inches and one test specimen (1A-2-U-1-S) with $L = 10.0$ inches. Six specimens were tested in the local buckling test fixture (Figure 33-1) and one (1A-2-U-9-C) was tested in compression in a universal static test machine. A tabulation of specimen data is shown in Table 35-2, and photos of typical failures are shown in Figures 35-5 through 35-8.

Strain gage and deflection data obtained from the single sheet test specimens are presented in Appendix A1. An index to the data presented can be found on page A9 in the Appendix.

35.1.3 Fluted Tube - Low Load

Testing was completed on seven fluted tubular low load local buckling test specimens, all with $L = 10.0$ inches and one test specimen, 2A-1-U-2-C with $L = 30$ inches. Six specimens were tested in the combined load test fixture (Figure 33-1) and two (2A-1-U-1-C and 2A-1-U-2-C) were tested in compression in a universal static test machine. A tabulation of specimens tested is shown in Table 35-3, and photos of typical failures are shown in Figures 35-9 through 35-16.

Strain gage and deflection data obtained from the fluted tubular low load local buckling test specimens is presented in Appendix A1. An index to the data presented can be found on page A22 of the Appendix.

Table 35-1: CIRCULAR TUBE-HIGH LOAD LOCAL BUCKLING TEST RESULTS



LOCAL BUCKLING SPECIMEN NO.	TEST CONDITION	FAILURE MODE	FAILURE STRESS (KSI)	F/S PLOTS	FAILURE PHOTOS
2-2-U-1-B	BENDING	BEAD CRIPPLING	$F_B = 78.2$	NONE	FIGURE 35-1
2-2-U-2-S	SHEAR		$F_S = 35.5$		FIGURE 35-2
2-2-U-3-C	COMPRESSION		$F_C = 69.2$		NONE
2-2-U-4-CS	COMPRESSION + SHEAR		$F_C = 58.5$ $F_S = 17.8$		FIGURE 35-3
2-2-U-5-CB R = 1.20" t = .032"	COMPRESSION + BENDING	BEAD CRIPPLING	$F_C = 21.8$ $F_B = 58.8$	NONE	FIGURE 35-4
PANEL SPECIMEN NO.				*PANEL DATA PRESENTED BECAUSE IT WAS USED IN ACHIEVING CORRELATION OF LOCAL BUCKLING ANALYSIS WITH TEST	
*2-2-P-1-CBS	COMPRESSION + SHEAR	BEAD CRIPPLING	$F_C = 38.2$ $F_S = 13.0$		
*2-2-P-3-CBS R = 1.34" t = .025"	SHEAR	BEAD CRIPPLING	$F_S = 18.2$		



Figure 35-1: FAILURE 2-2-U-1-B



Figure 35-3: FAILURE 2-2-U-4-CS

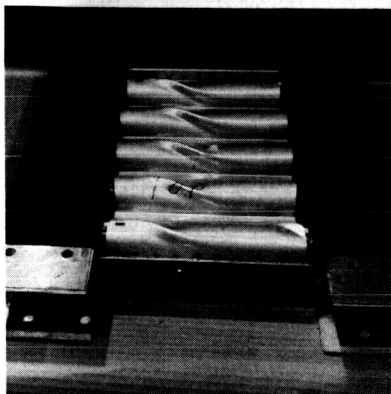


Figure 35-2: FAILURE 2-2-U-2-S

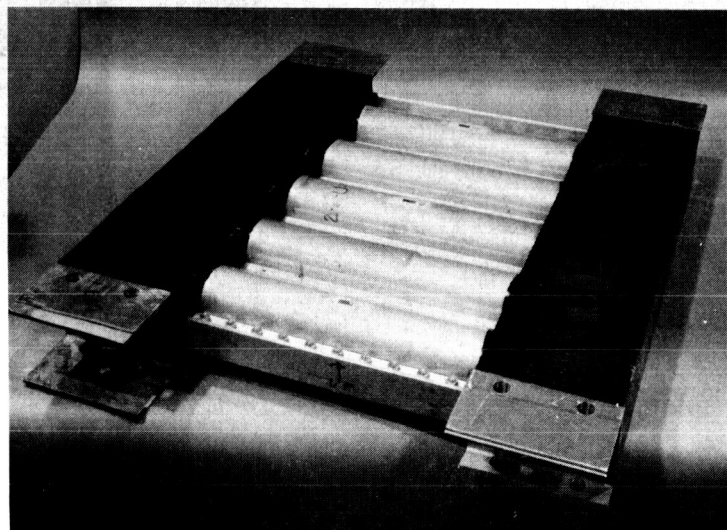


Figure 35-4: FAILURE 2-2-U-5-CB

Table 35-2: FLUTED SINGLE SHEET-LOW LOAD LOCAL BUCKLING TEST RESULTS

LOCAL BUCKLING SPECIMEN NO.	TEST CONDITION	FAILURE MODE	FAILURE STRESS (KSI)	F/S PLOTS	FAILURE PHOTOS
1A-2-U-1-S	SHEAR	WEB CRIPPLING	$F_S = 31.8$	NONE	FIGURE 35-5
1A-2-U-2-S	SHEAR	DIAGONAL BUCKLING	$F_S = 13.7$	NONE	FIGURE 35-6
1A-2-U-3-CB	COMPRESSION & BENDING	NO FAILURE	—	—	—
1A-2-U-4-CS	COMP. & SHEAR	DIAGONAL BUCKLING	$F_C = 19.2$ $F_S = 8.95$	FIGURE 34-1	FIGURE 35-8
1A-2-U-5-CS	COMP. & SHEAR	DIAGONAL BUCKLING	$F_C = 19.3^*$ $F_S = 9.41^*$	FIGURE 34-1	NONE
1A-2-U-5-CS	COMP. & SHEAR	DIAGONAL BUCKLING	$F_C = 8.37^*$ $F_S = 11.8^*$	FIGURE 34-1	NONE
1A-2-U-5-CBS	COMP. & SHEAR & BENDING	DIAGONAL BUCKLING	$F_C = 16.5^*$ $F_S = 7.96^*$	NOT SHOWN	NONE
1A-2-U-5-S	SHEAR	DIAGONAL BUCKLING	$F_S = 14.0^*$	NONE	NONE
1A-2-U-5-BS	SHEAR & BENDING	DIAGONAL BUCKLING	$F_S = 12.9$	FIGURE 34-1	FIGURE 32-2
1A-2-U-8-B	BENDING	WEB CRIPPLING	$F_B = 78.4$	NONE	FIGURE 35-7
1A-2-U-9-C	COMPRESSION	DIAGONAL BUCKLING	$F_C = 33.5^*$	NONE	NONE

*F/S PLOTS PROJECTED FAILURE FROM NON-DESTRUCTIVE TEST.

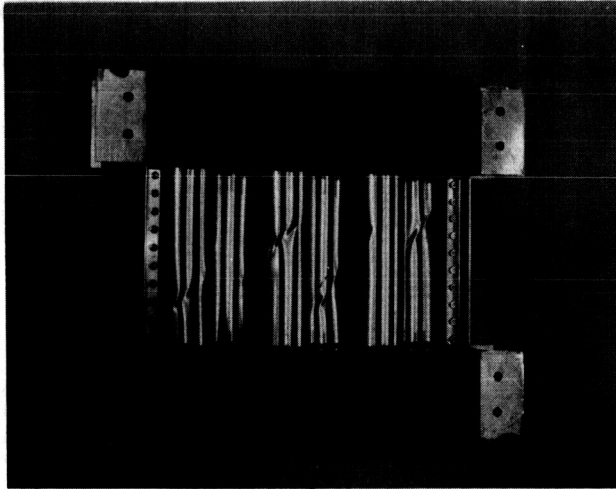


Figure 35-5: FAILURE 1A-2-U-1-S

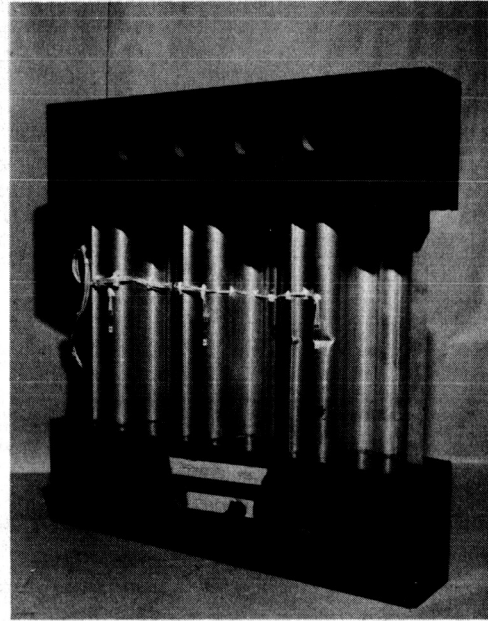


Figure 35-7: FAILURE 1A-2-U-8-B

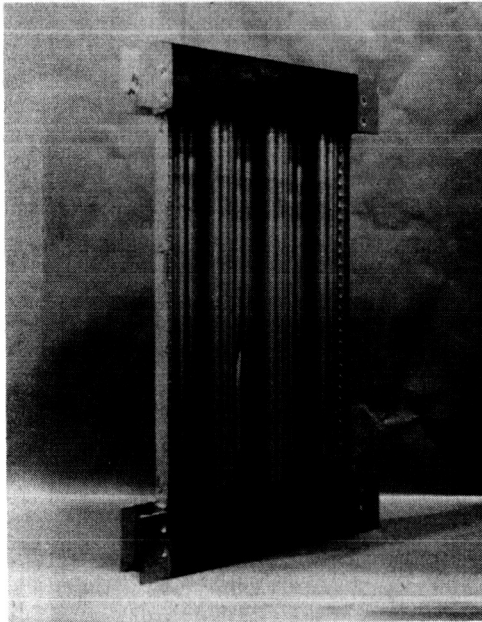


Figure 35-6: FAILURE 1A-2-U-2-S

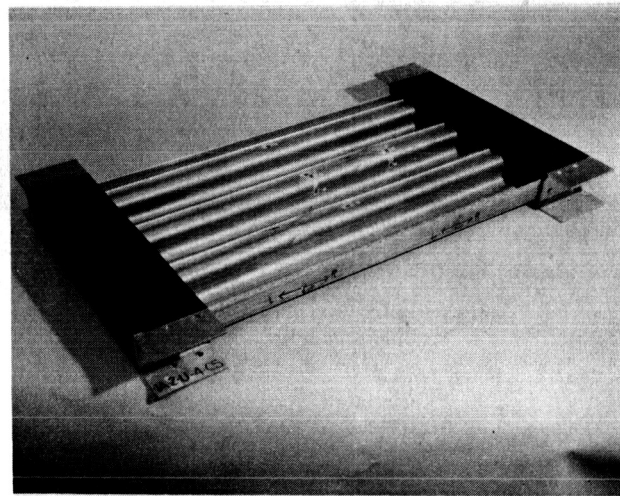




Figure 35-8: FAILURE 1A-2-U-4-CS

Table 35-3: FLUTED TUBE—LOW LOAD LOCAL BUCKLING TEST RESULTS

LOCAL BUCKLING SPECIMEN NO.	TEST CONDITION	FAILURE MODE	FAILURE STRESS (KSI)	F/S PLOTS	FAILURE PHOTOS
2A-1-U-1-C	COMPRESSION	FLAT BUCKLING WEB CRIPPLING	$F_C = 24.2^*$ $F_C = 39.0$		FIGURE 35-9
2A-1-U-2-C	COMPRESSION	FLAT BUCKLING WEB CRIPPLING	$F_C = 23.4^*$ $F_C = 37.0$		FIGURE 35-10** FIGURE 35-11
2A-1-U-3-CB	COMPRESSION & BENDING	WEB CRIPPLING	$F_C = 25.5$ $F_B = 44.5$		FIGURE 35-13
2A-1-U-4-S	SHEAR		$F_S = 25.5$		FIGURE 35-12
2A-1-U-5-BS	BENDING & SHEAR		$F_B = 50.5$ $F_S = 17.7$		FIGURE 35-14
2A-1-U-6-CS	COMPRESSION & SHEAR		$F_C = 37.3$ $F_S = 11.6$		NONE
2A-1-U-7-CBS	COMPRESSION, BEND. & SHEAR		$F_C = 25.0$ $F_B = 48.4$ $F_S = 6.12$		FIGURE 35-15
2A-1-U-10-B	BENDING	WEB CRIPPLING	$F_B = 70.7$	NONE	FIGURE 35-16

*FLAT BUCKLING STRESSES IDENTIFIED FROM FORCE/STIFFNESS PLOTS.

**MOIRE' PHOTO SHOWING THE FLAT BUCKLING FRINGE PATTERNS.

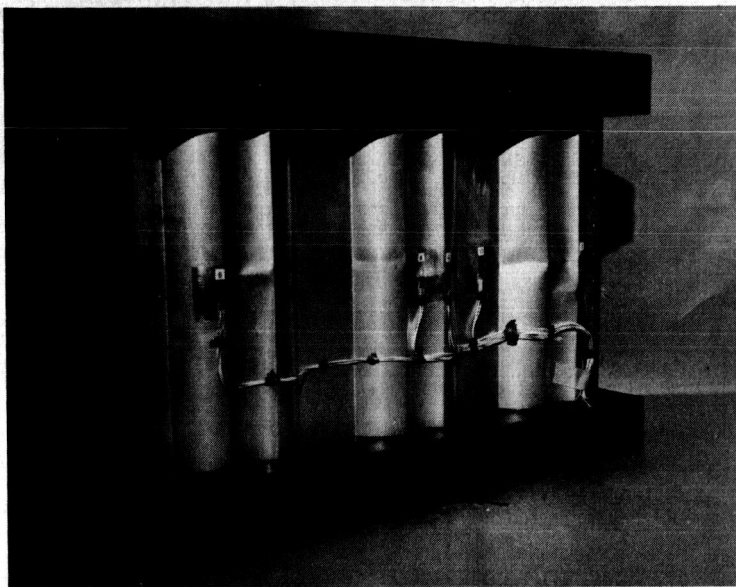


Figure 35-9: FAILURE 2A-1-U-1-C

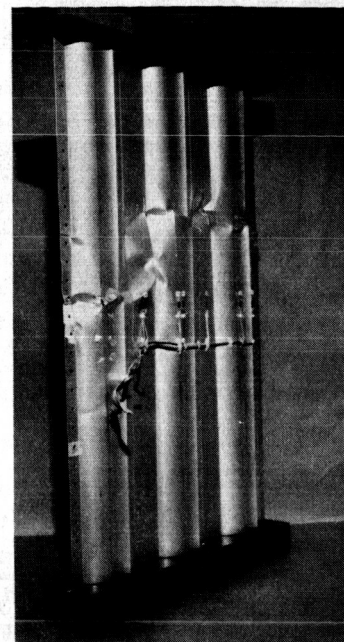
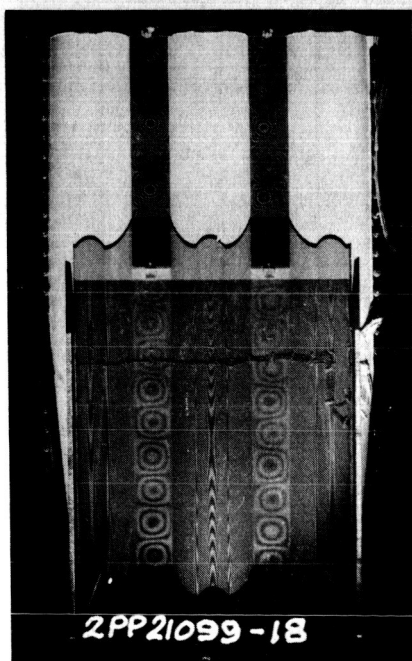


Figure 35-11: FAILURE 2A-1-U-2-C



*Figure 35-10: 2A-1-U-2-C MOIRE'
23.5 KIPS COMPRESSION*

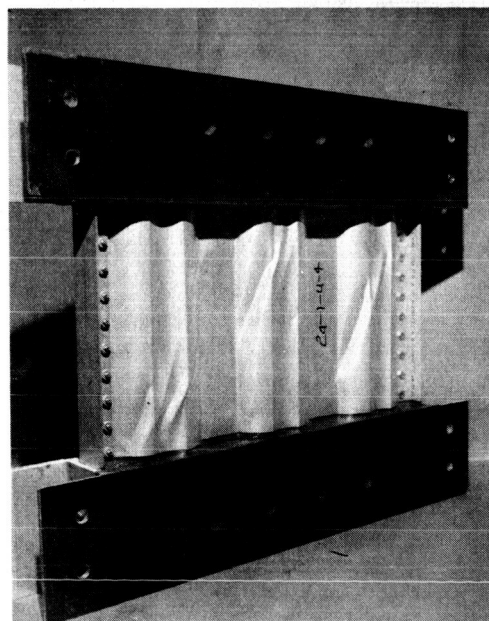


Figure 35-12: FAILURE 2A-1-U-4-S

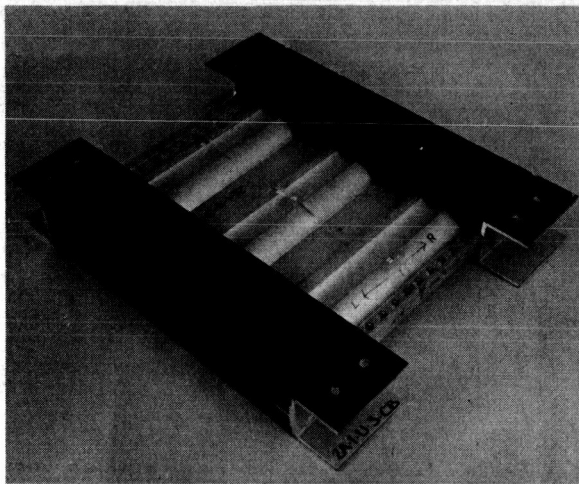


Figure 35-13: FAILURE 2A-1-U-3-CB

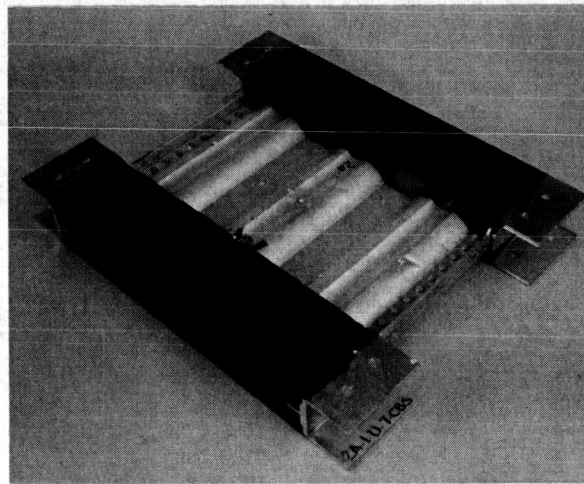


Figure 35-15: FAILURE 2A-1-U-7-CBS

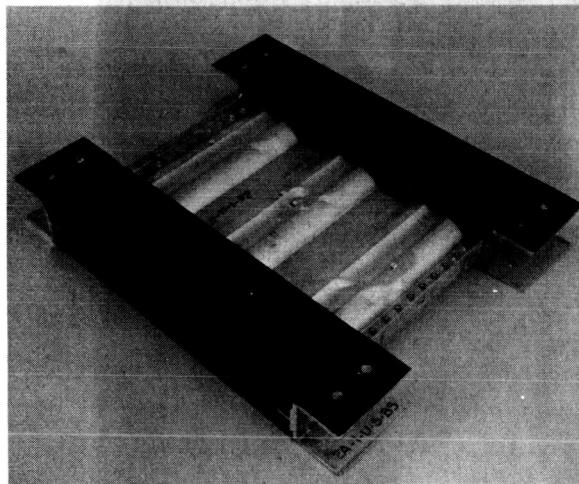


Figure 35-14: FAILURE 2A-1-U-5-BS

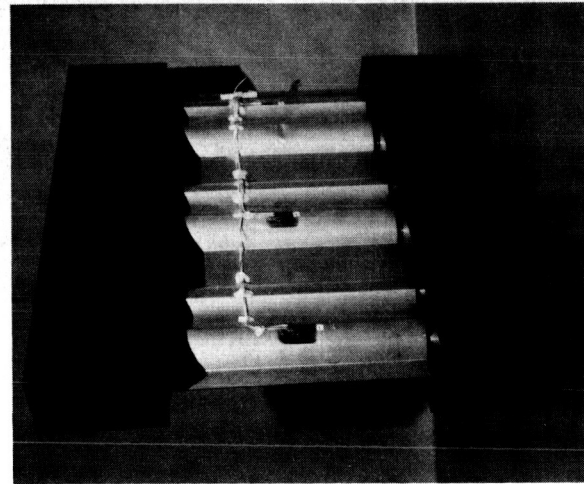


Figure 35-16: FAILURE 2A-1-U-10-B

35.1.4 Fluted Tube - High Load

Testing was completed on eight fluted tubular high load local buckling test specimens. The specimen test length was $L = 10.0$ inches, with the exception of 2A-2-U-1-C. Its length was $L = 30.0$ inches. Six specimens were tested in the combined load test fixture (Figure 33-1) and two (2A-2-U-1-C and 2A-2-U-2-C) were failed in compression in a universal static test machine. A tabulation of specimens tested is shown in Table 35-4, and photos of typical failures are shown in Figures 35-17 through 35-24.

Strain gage and deflection data obtained from the fluted tube - high load specimens is presented in Appendix A-1. An index to the data presented can be found on page A31 of the Appendix.

Table 35-4: FLUTED TUBE-HIGH LOAD LOCAL BUCKLING TEST RESULTS

LOCAL BUCKLING SPECIMEN NO.	TEST CONDITION	FAILURE MODE	FAILURE STRESS (KSI)	F/S PLOTS	FAILURE PHOTOS
2A-2-U-1-C	COMPR.	<div> <div>WEB CRIPPLING</div> <div>↑</div> <div>↓</div> <div>WEB CRIPPLING</div> </div>	$F_C = 50.6$		FIGURE 35-17
2A-2-U-2-C	COMPR.		$F_C = 53.5$		FIGURE 35-20
2A-2-U-3-S	SHEAR		$F_S = 25.5$		FIGURE 35-18
2A-2-U-4-CS	COMPR. & SHEAR		$F_C = 37.7$ $F_S = 24.8$		FIGURE 35-19
2A-2-U-6-CB	COMPR & BENDING		$F_C = 35.9$ $F_S = 37.3$		FIGURE 35-21
2A-2-U-7-BS	BEND & SHEAR		$F_B = 39.3$ $F_S = 22.1$		FIGURE 35-22
2A-2-U-9-CBS	COMPR, BEND., & SHEAR		$F_C = 23.2$ $F_B = 36.5$ $F_S = 12.6$		FIGURE 35-23
2A-2-U-10-B	BENDING	WEB CRIPPLING	$F_B = 68.3$		FIGURE 35-24

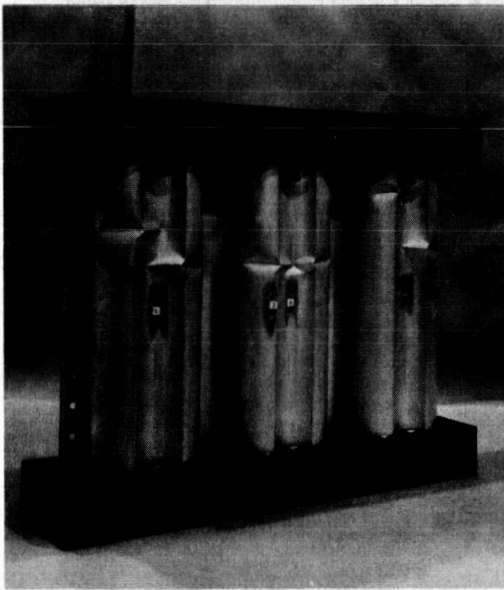


Figure 35-17: FAILURE 2A-2-U-1-C

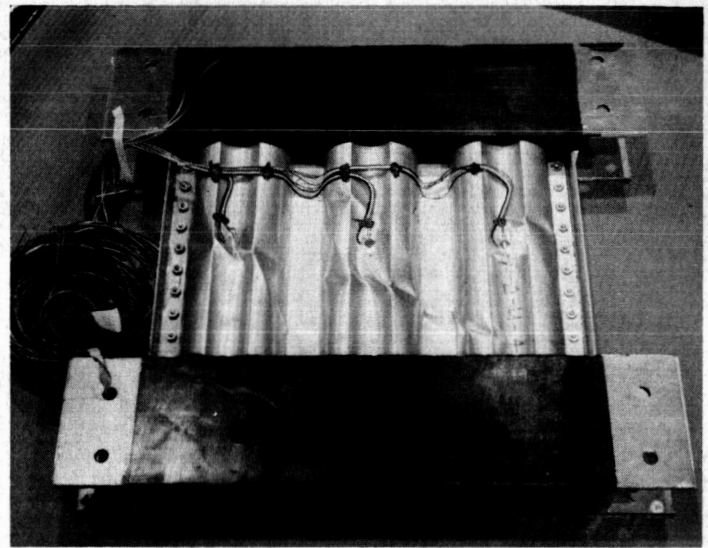


Figure 35-19: FAILURE 2A-2-U-4-CS

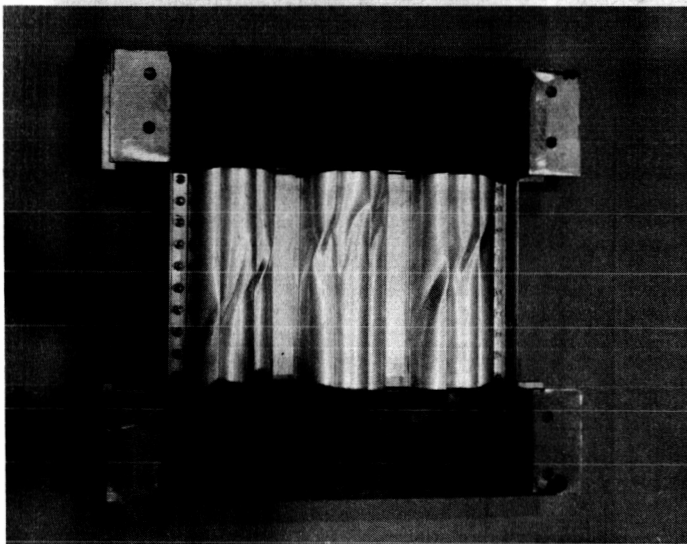


Figure 35-18: FAILURE 2A-2-U-3-S

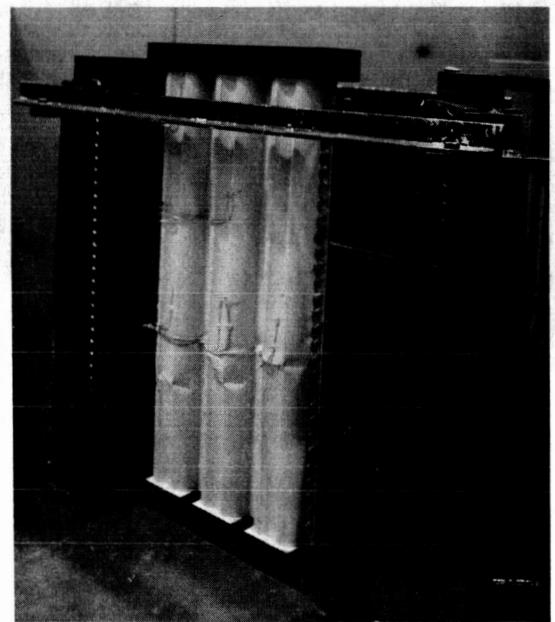


Figure 35-20: FAILURE 2A-2-U-2-C

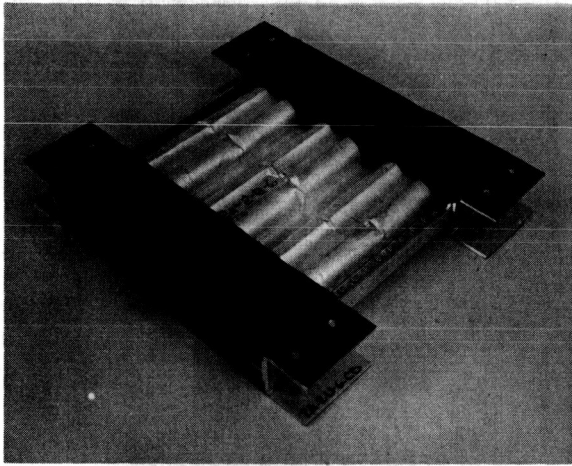


Figure 35-21: FAILURE 2A-2-U-6-CB

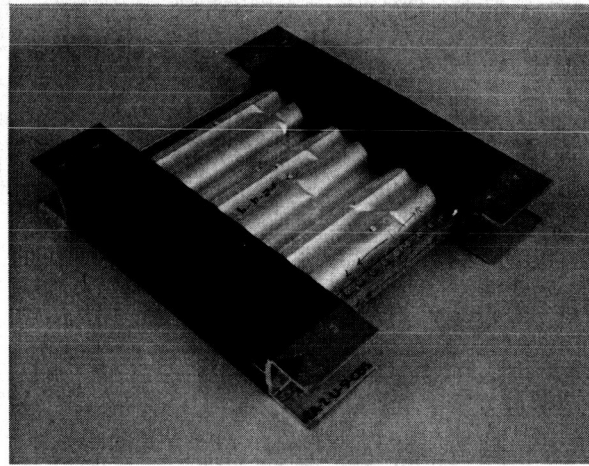


Figure 35-23: FAILURE 2A-2-U-9-CBS



Figure 35-22: FAILURE 2A-2-U-7-BS

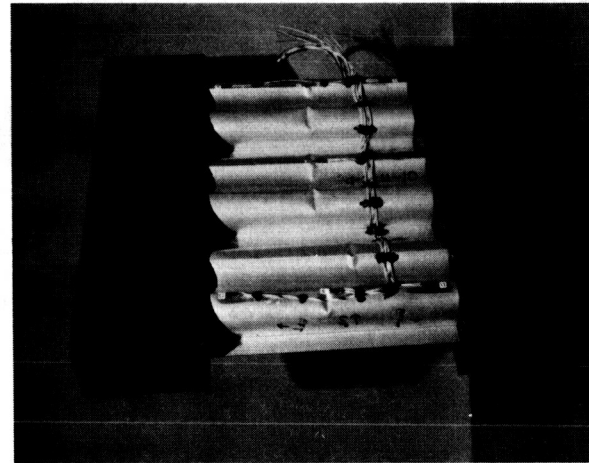


Figure 35-24: FAILURE 2A-2-U-10-B

35.2 Panel Test Results

35.2.1 Circular Tube - High Load

Three 40 x 40 inch circular tube high load panels were tested to failure in the panel combined load test fixture (Figures 33-4, 33-5 and 33-6). The test results of panels 2-2-P-1-CBS, 2-2-P-2-CBS and 2-2-P-3-CBS are presented in Tables 35-5, 35-6 and 35-7 respectively. The analytically predicted loads in these tables are computed from local buckling equations modified on the basis of the local buckling test specimen results and the panel failure loads. These modifications are presented in Reference 8.

Force/Stiffness plots for these tests are given in Figures 35-25 through 35-54. For these cases, the extrapolation of the test data to the predicted failure was accomplished by fitting a curve of the form $(a_0 + a_1 x + a_2 x^2) / (b_0 + b_1 x + b_2 x^2 + b_3 x^3)$ through the test points by this method of least squares. Photos of the failed panels are shown in Figures 35-55 through 35-60.

Strain gage and deflection data obtained from the circular tube major panel tests is presented in Appendix A-2. An index of the data presented can be found on Page A43 of the Appendix.

Table 35-5: PANEL 2-2-P-1-CBS CIRCULAR TUBE-HIGH LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		MODIFIED ANAL.**	TEST (F/S)			
1	N _X ONLY	313	303	262	35-25	35-55 35-56
2	N _{XY} ONLY	35.0	34.8	24.4	35-26	
3	N _{XY} = 1/5 N _X	264	274	158	35-27	
4	N _{XY} = 1/3 N _X	199	202	211*	35-28	
5	N _X , P = 1.0 PSI	267	323	187	35-29	
6	N _X , P = 2.0 PSI	232	278	160	35-30	
7	N _{XY} , P = 1.0 PSI	34.0	33.7	22.2	35-31	
8	N _{XY} , P = 2.0 PSI	32.9	33.5	20.2	35-32	
9	N _{XY} = 1/5 N _X , P = 1.0 PSI	235	251	135	35-33	
10	N _{XY} = 1/5 N _X , P = 2.0 PSI	209	206	115	35-34	

* PANEL FAILURE **REFERENCE 8

Table 35-6: PANEL 2-2-P-2-CBS CIRCULAR TUBE-HIGH LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		MODIFIED ANAL.**	TEST (F/S)			
1	N _X ONLY	313	291	261*	35-35	35-57 35-58
2	N _{XY} ONLY	35.0	35.8	29.7	35-36	
3	N _{XY} = 1/5 N _X	264	310	194	35-37	
4	N _{XY} = 1/3 N _X	199	211	145	35-38	
5	N _X , P = 1.0 PSI	267	271	211	35-39	
6	N _X , P = 2.0 PSI	232	245	180	35-40	
7	N _{XY} , P = 1.0 PSI	34.0	35.4	27.2	35-41	
8	N _{XY} , P = 2.0 PSI	32.9	34.7	24.6	35-42	
9	N _{XY} = 1/5 N _X , P = 1.0 PSI	235	250	165	35-43	
10	N _{XY} = 1/5 N _{XY} , P = 2.0 PSI	209	225	141	35-44	

* PANEL FAILURE **REFERENCE 8

Table 35-7: PANEL 2-2-P-3-CBS CIRCULAR TUBE-HIGH LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		MODIFIED ANAL.**	TEST (F/S)			
1	N _X ONLY	313	297	250	35-45	35-59 35-60
2	N _{XY} ONLY	35.0	34.8	35.1*	35-46	
3	N _{XY} = 1/5 N _X	264	271	230	35-47	
4	N _{XY} = 1/3 N _X	199	206	165	35-48	
5	N _X , P = 1.0 PSI	267	273	229	35-49	
6	N _X , P = 2.0 PSI	232	223	160	35-50	
7	N _{XY} , P = 1.0 PSI	34.0	34.3	25.0	35-51	
8	N _{XY} , P = 2.0 PSI	32.9	32.7	22.7	35-52	
9	N _{XY} = 1/5 N _X , P = 1.0 PSI	235	241	194	35-53	
10	N _{XY} = 1/5 N _X , P = 2.0 PSI	209	212	181	35-54	

* PANEL FAILURE **REFERENCE 8

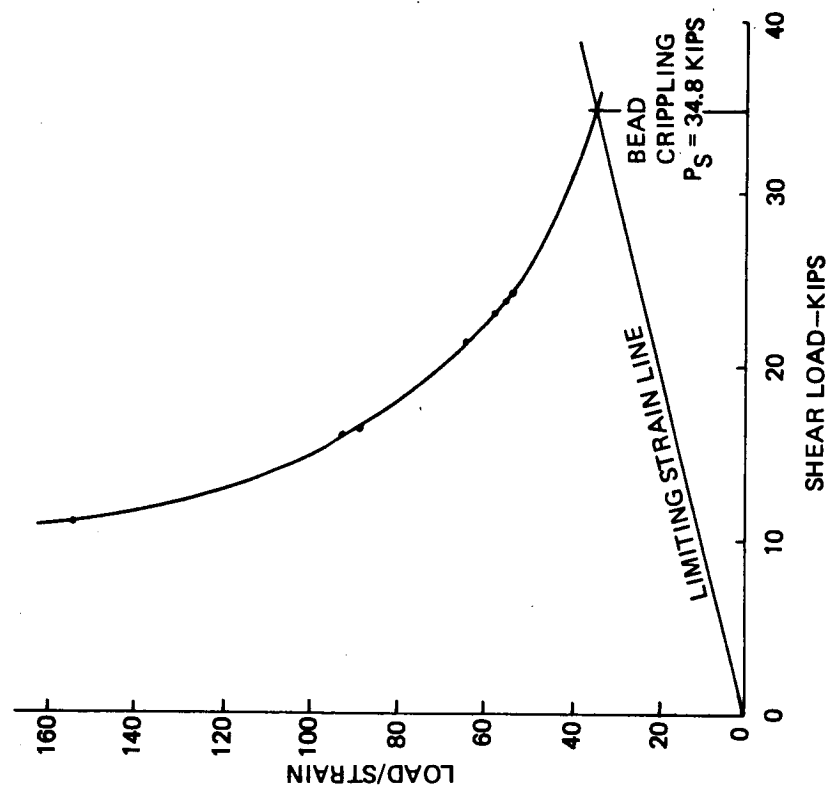


Figure 35-25: F/S PLOTS—PANEL 2-2-P.1—LOAD CONDITION 1

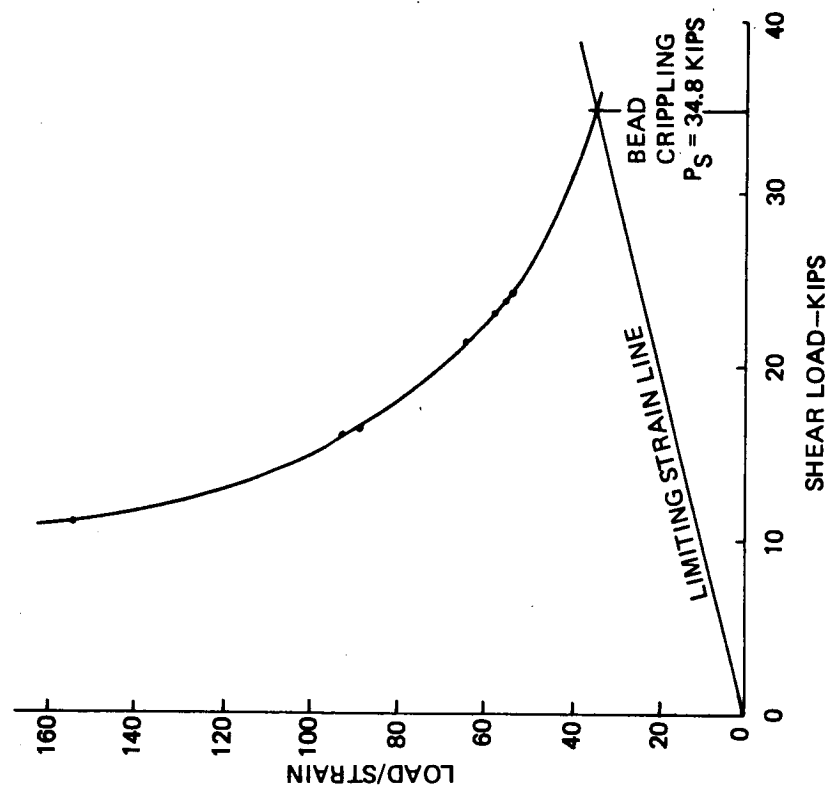


Figure 35-26: F/S PLOTS—PANEL 2-2-P.1—LOAD CONDITION 2

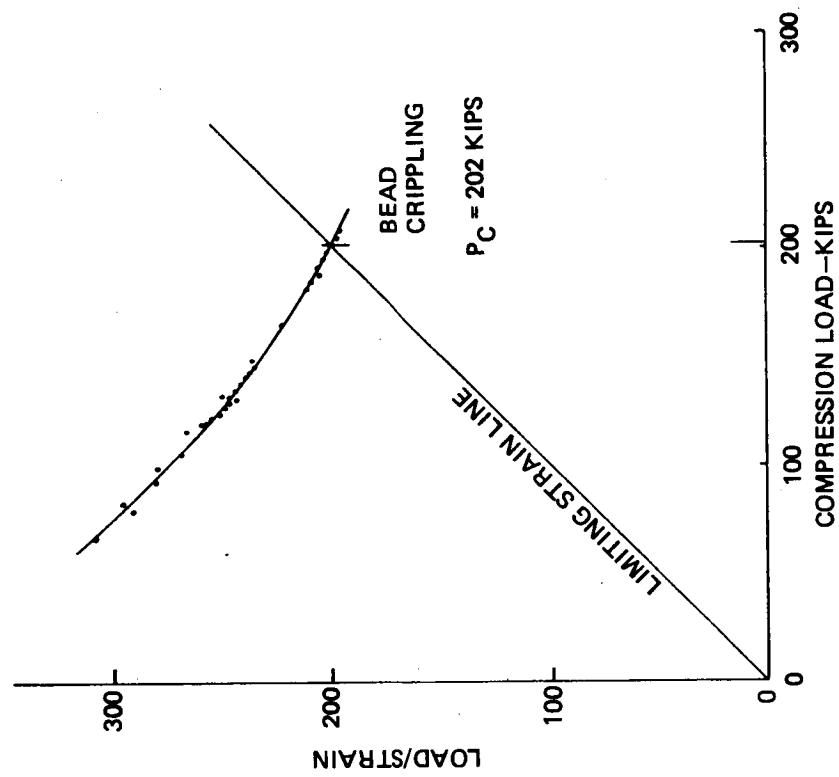


Figure 35-27: F/S PLOTS-PANEL 2-2-P-1-LOAD CONDITION 3

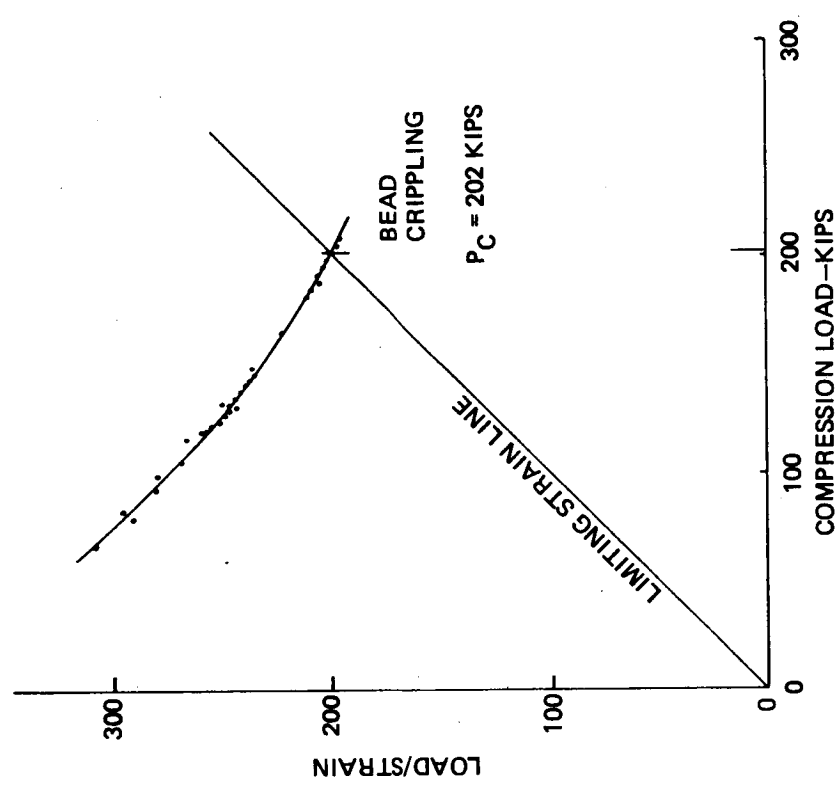


Figure 35-28: F/S PLOTS-PANEL 2-2-P-1-LOAD CONDITION 4

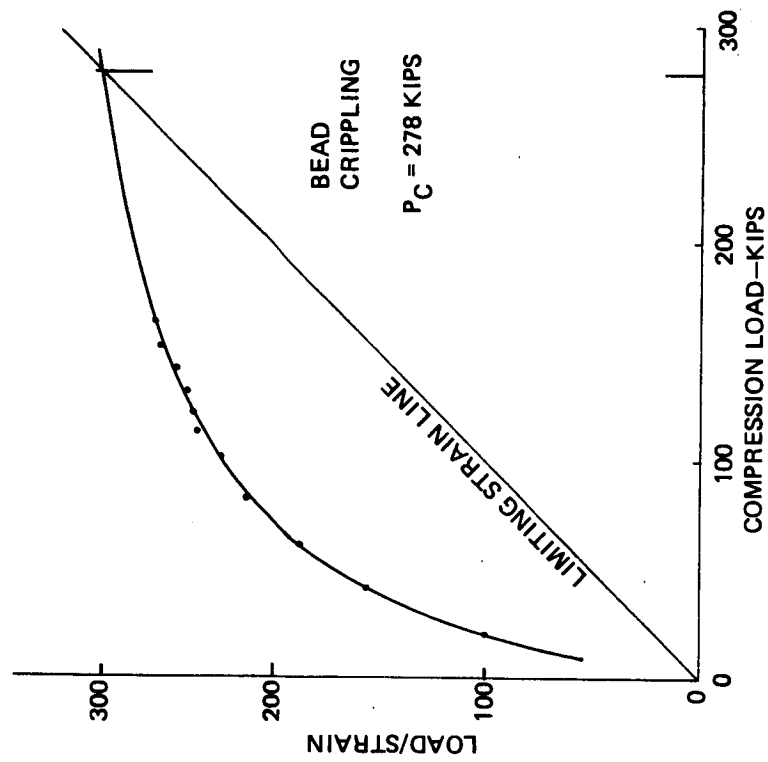


Figure 35-29: F/S PLOTS-PANEL 2-2-P-1-LOAD CONDITION 15

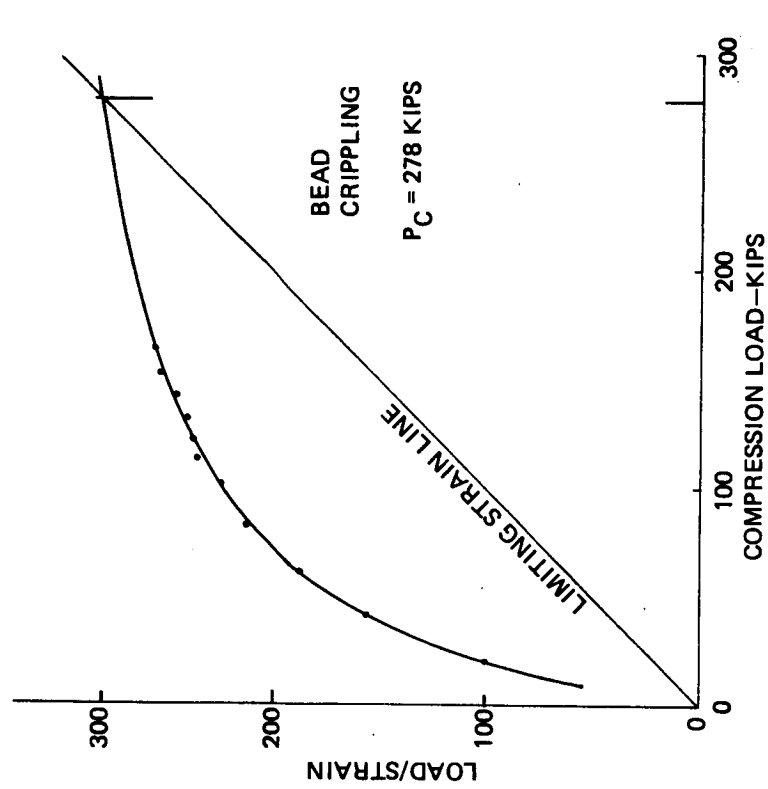


Figure 35-30: F/S PLOTS-PANEL 2-2-P-1-LOAD CONDITION 16

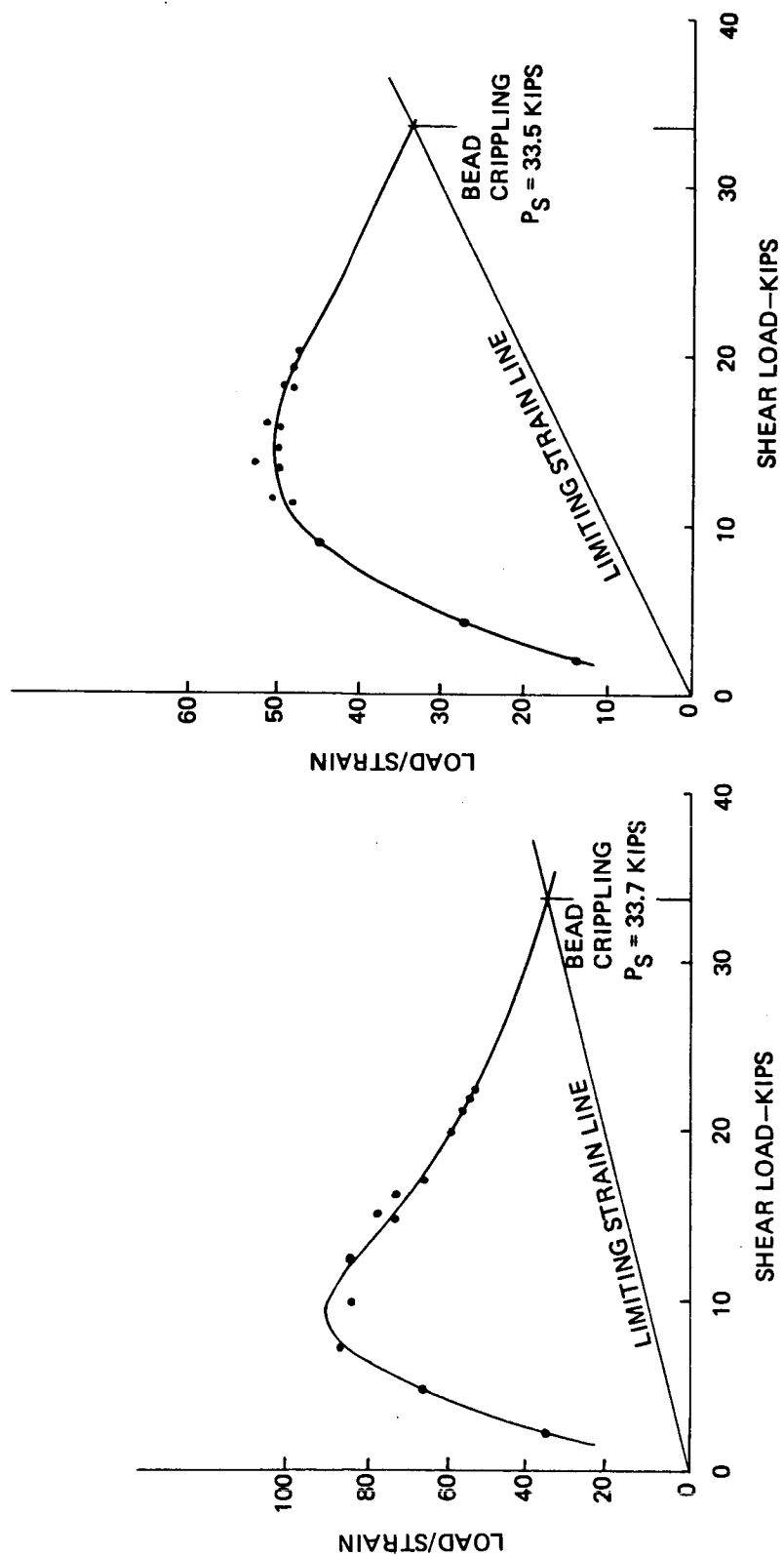


Figure 35-31: F/S PLOTS—PANEL 2-2-P-1—LOAD CONDITION 7 Figure 35-32: F/S PLOTS—PANEL 2-2-P-1—LOAD CONDITION 8

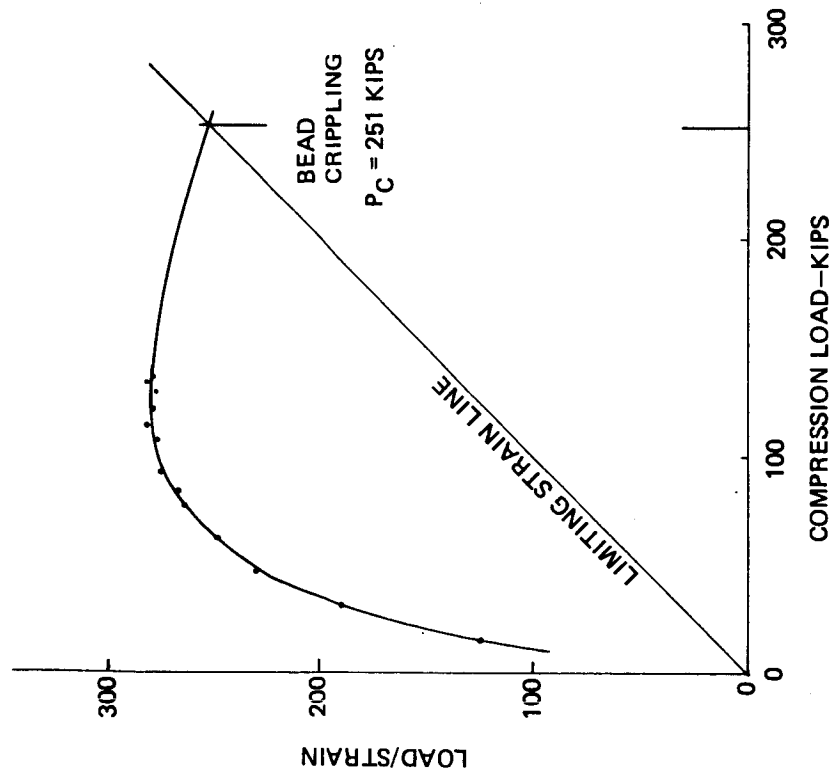


Figure 35-33:

F/S PLOTS-PANEL 2-2-P.1-LOAD CONDITION 9

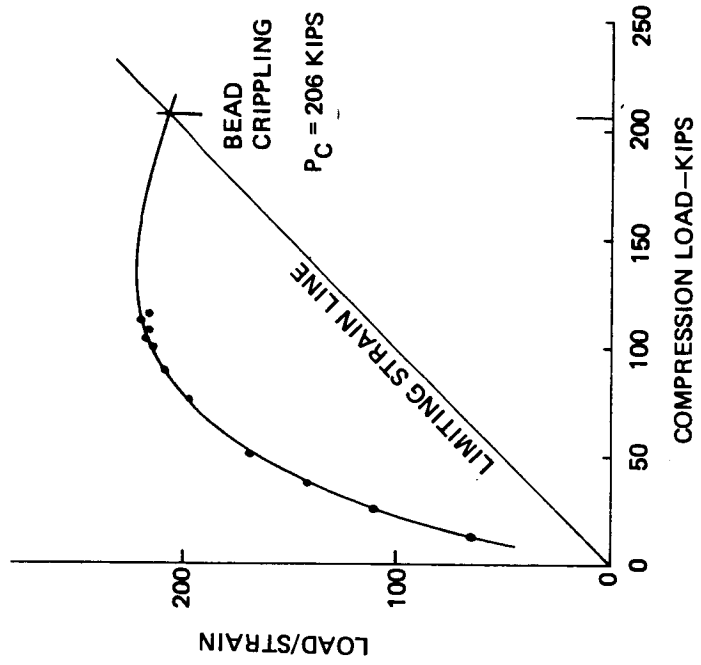


Figure 35-34:

F/S PLOTS-PANEL 2-2-P.1-LOAD CONDITION 10

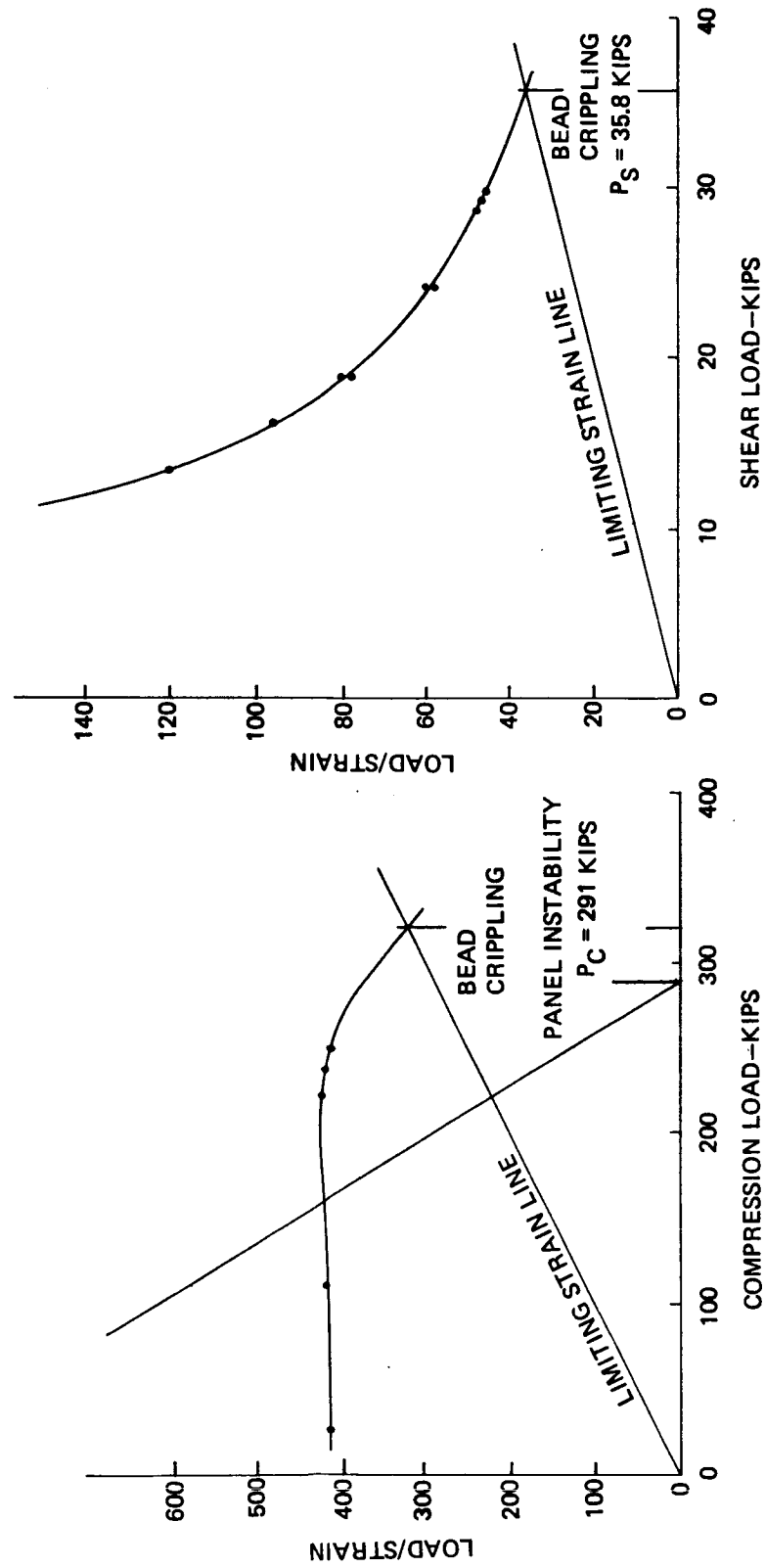


Figure 35-35: F/S PLOTS-PANEL 2-2-P-2-LOAD CONDITION 1 Figure 35-36: F/S PLOTS-PANEL 2-2-P-2-LOAD CONDITION 2

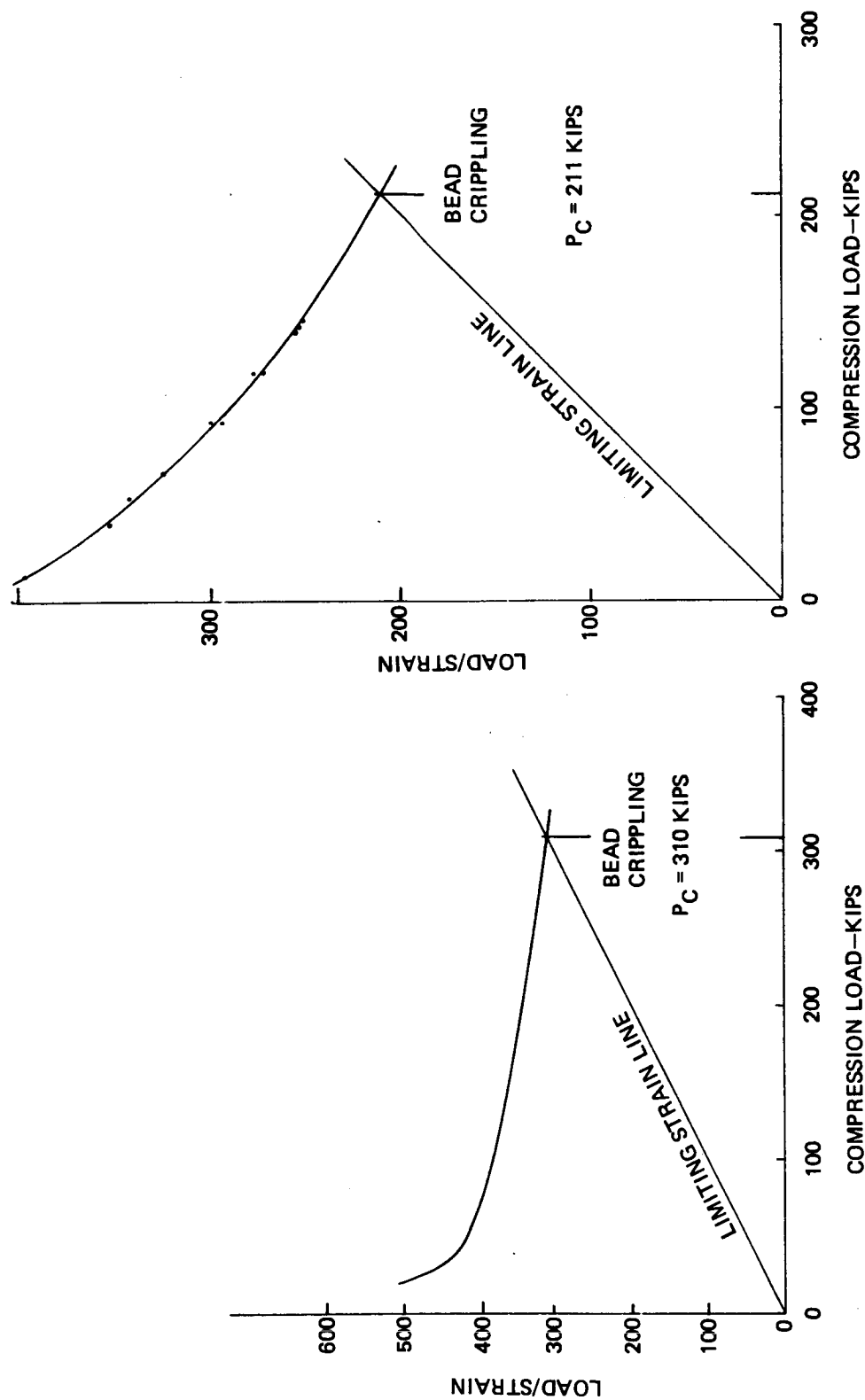


Figure 35-37: F/S PLOTS—PANEL 2-2P-2—LOAD CONDITION 3 Figure 35-38: F/S PLOTS—PANEL 2-2P-2—LOAD CONDITION 4

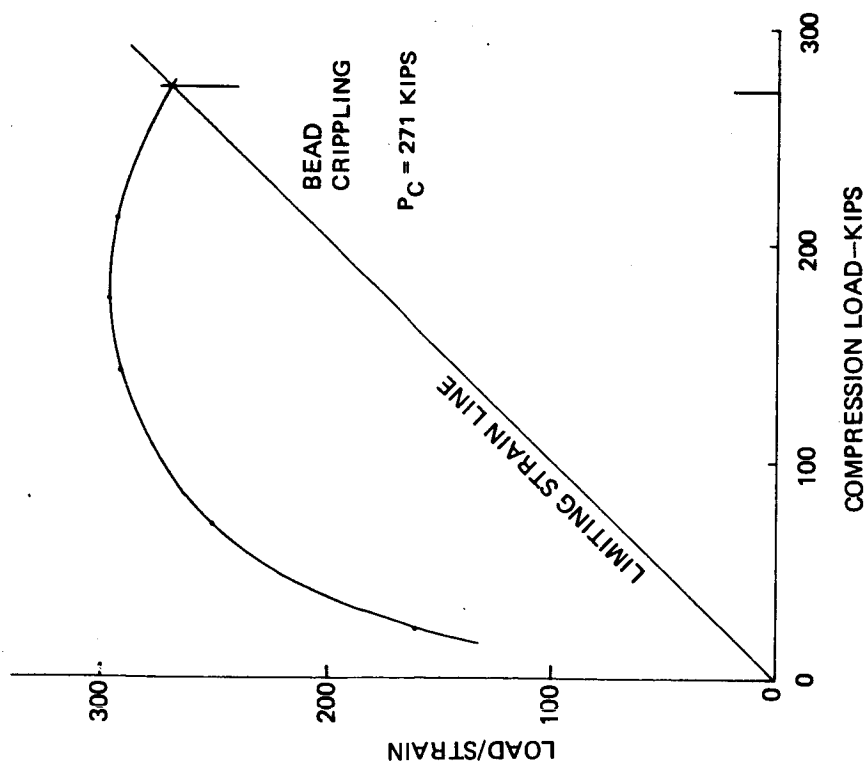


Figure 35-39 : F/S PLOTS-PANEL 2-2-P-2-LOAD CONDITION 5

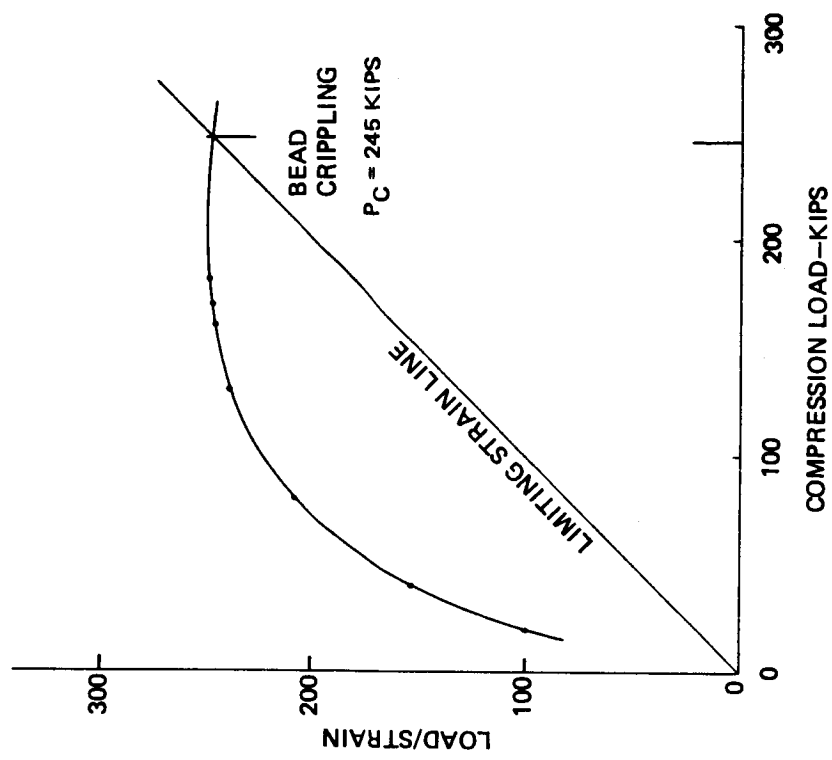


Figure 35-40 : F/S PLOTS-PANEL 2-2-P-2-LOAD CONDITION 6

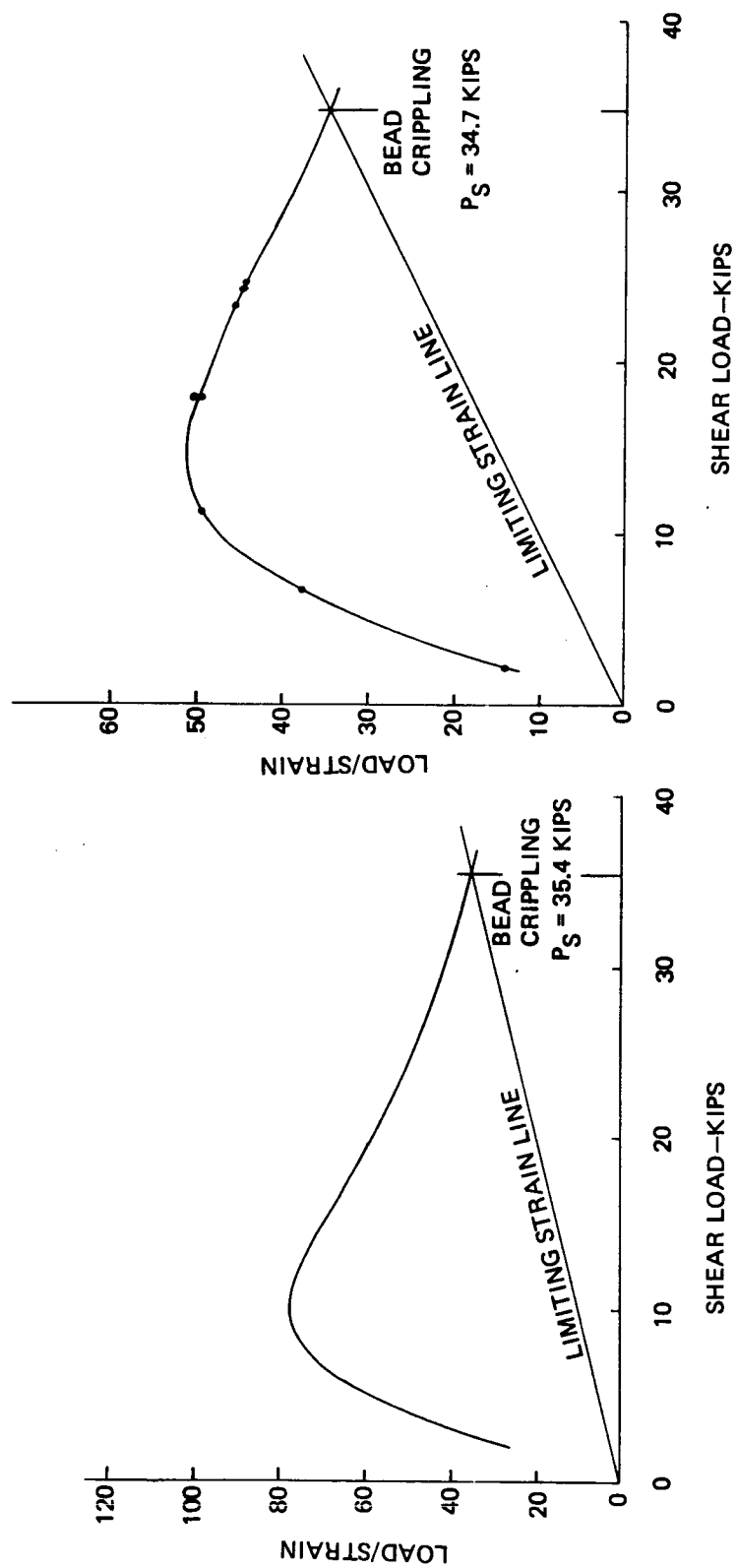


Figure 35-41: F/S PLOTS—PANEL 2-2-P-2—LOAD CONDITION 7 Figure 35-42: F/S PLOTS—PANEL 2-2-P-2—LOAD CONDITION 8

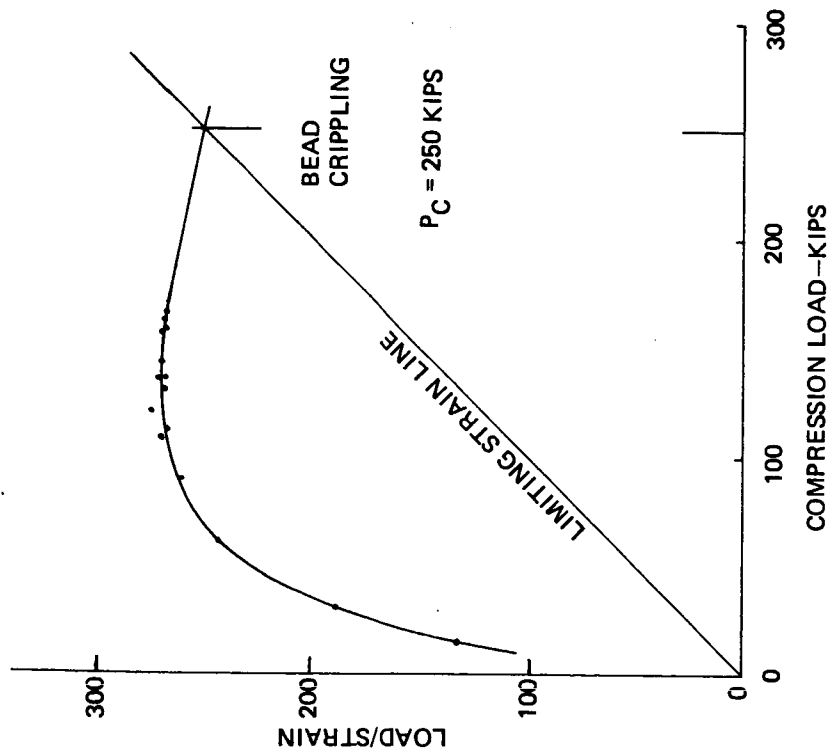


Figure 35-43: F/S PLOTS—PANEL 2-2-P-2—LOAD CONDITION 9

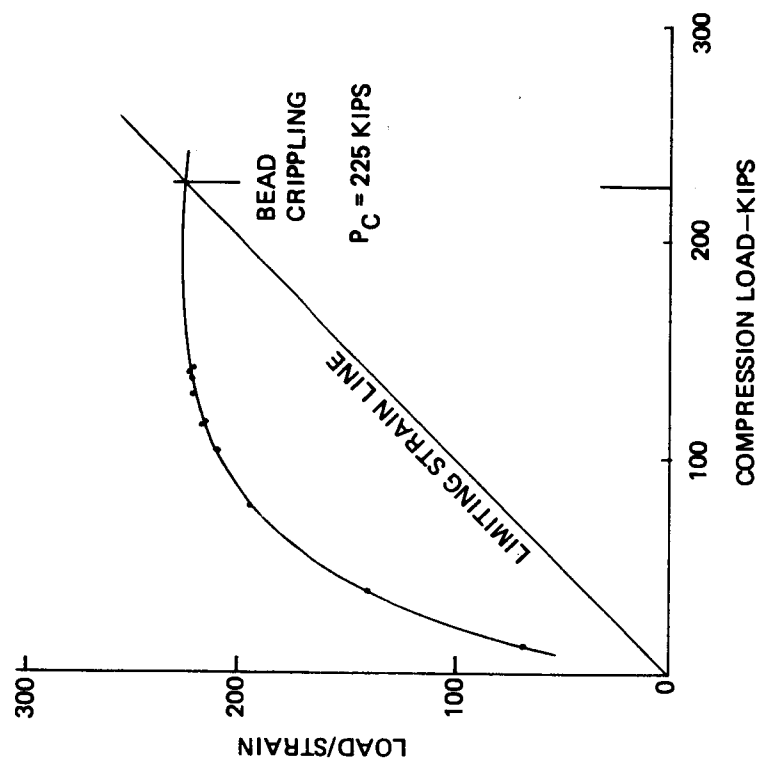


Figure 35-44: F/S PLOTS—PANEL 2-2-P-2—LOAD CONDITION 10

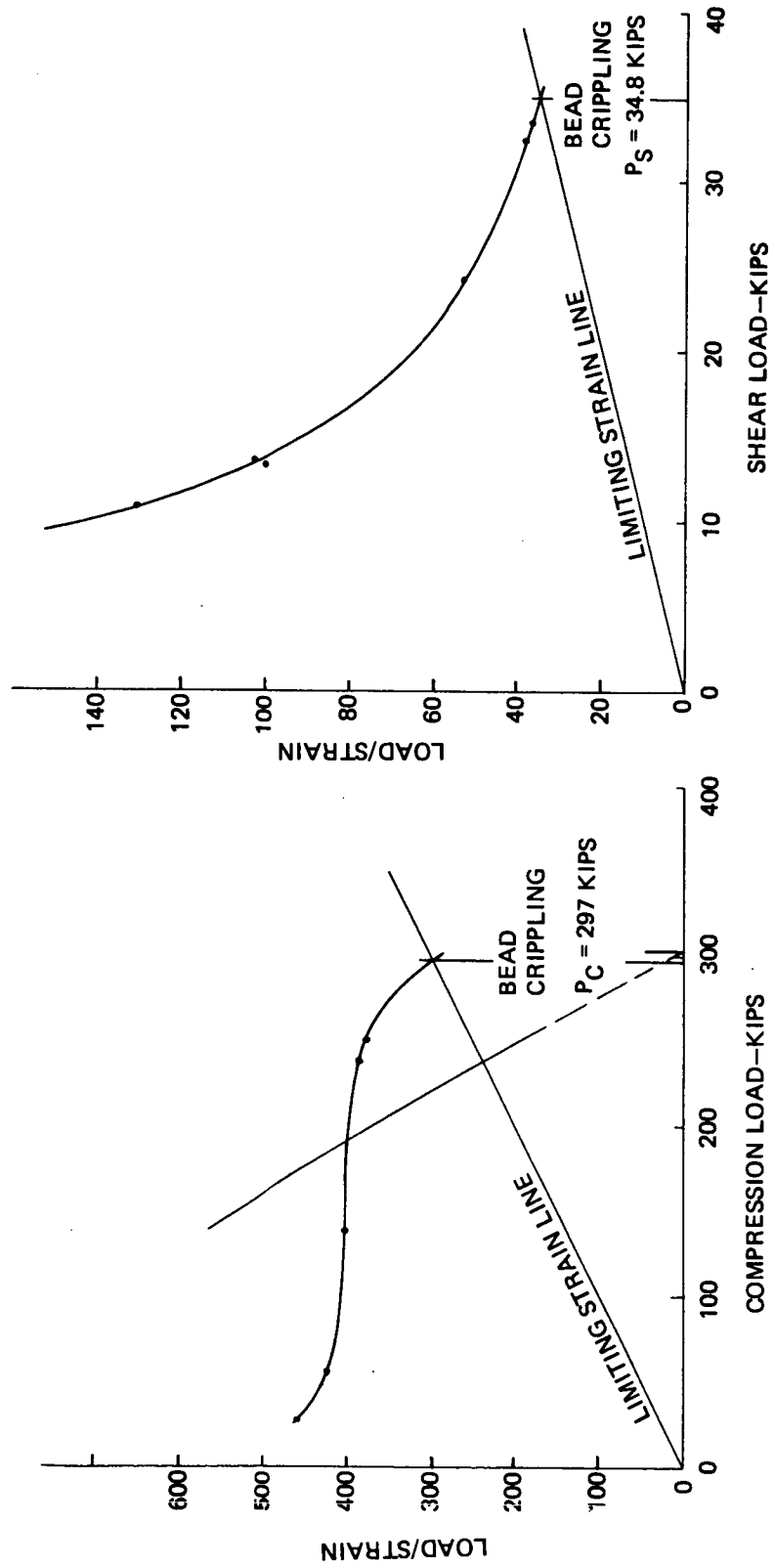


Figure 35-45: F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 1 Figure 35-46: F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 2

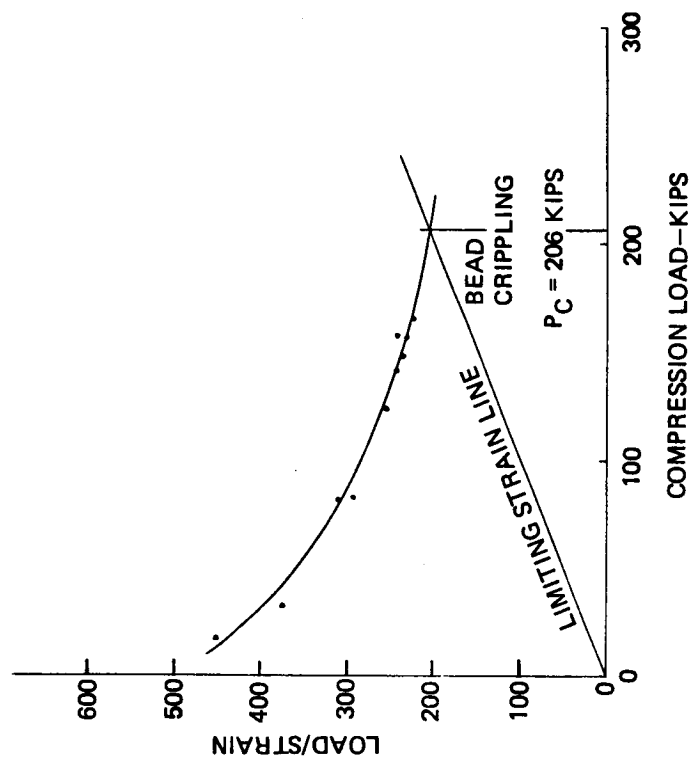


Figure 35-47: F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 13

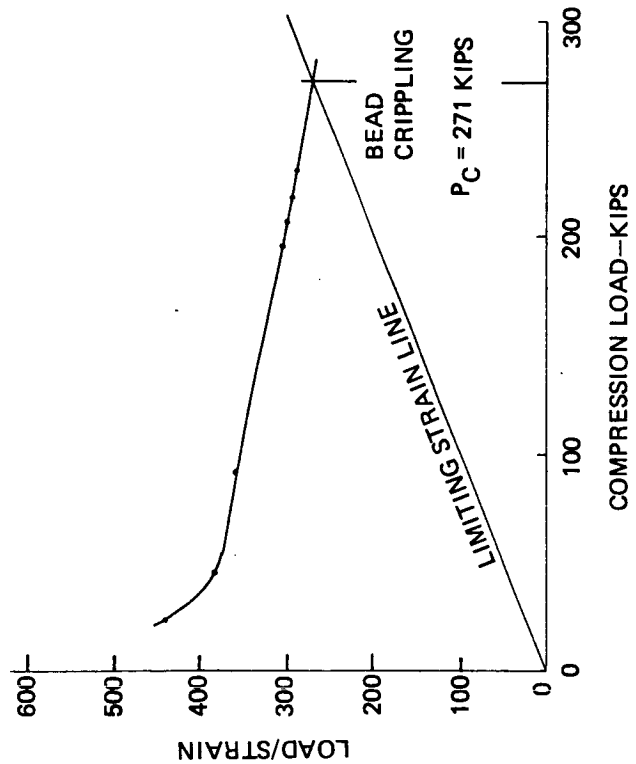


Figure 35-48: F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 4

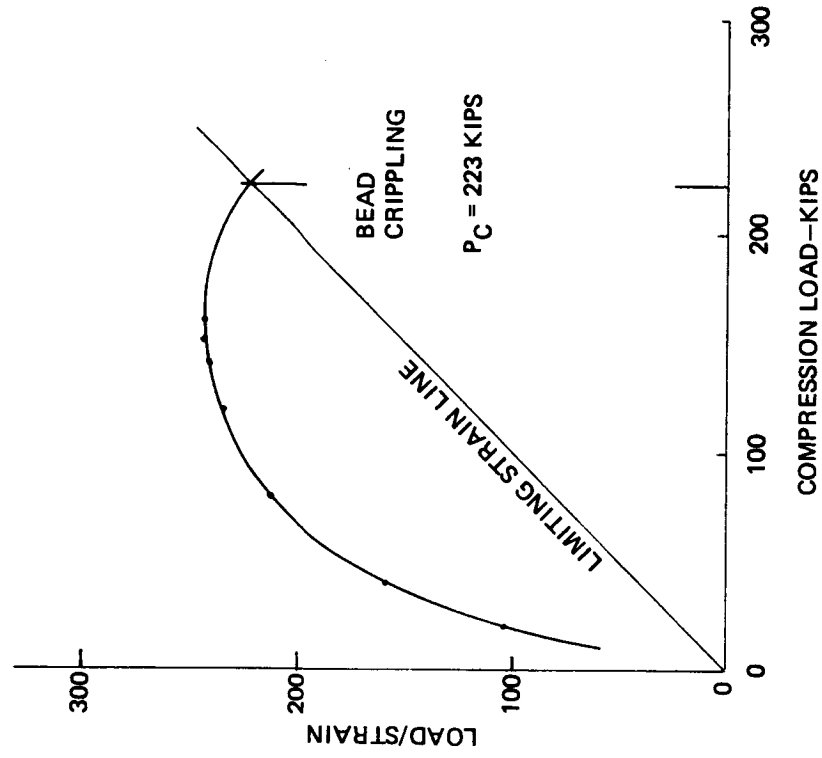


Figure 35-49 : F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 5

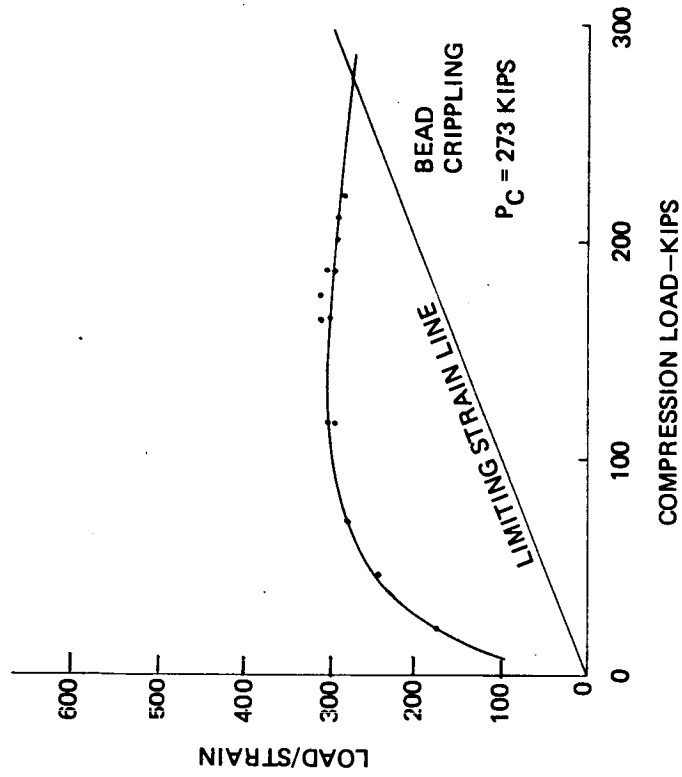


Figure 35-50 : F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 6

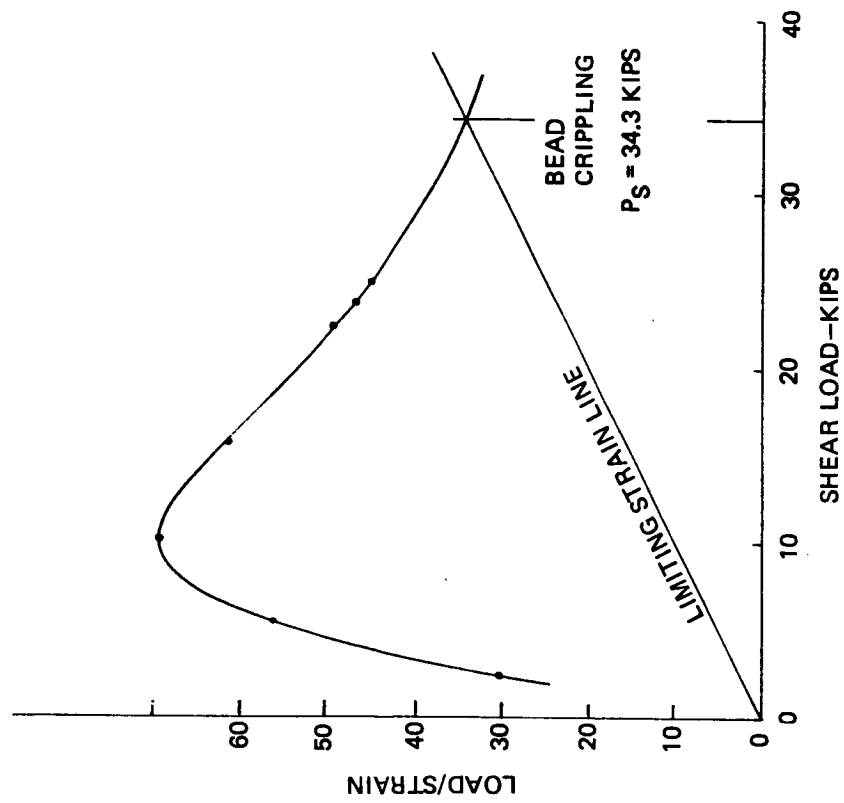


Figure 35-51: F/S PLOTS-PANEL 2-2-P-3-LOAD CONDITION 7

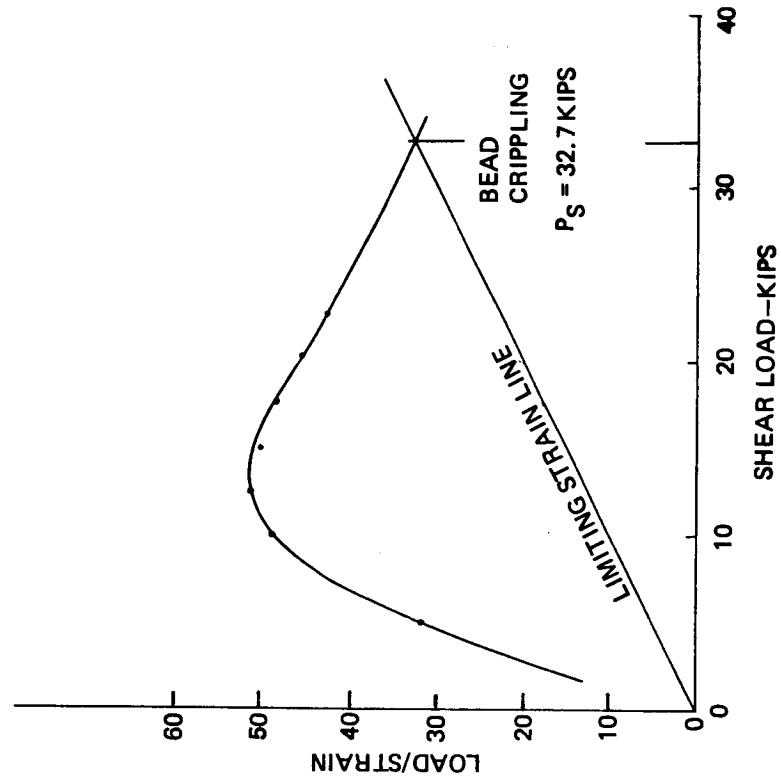


Figure 35-52: F/S PLOTS-PANEL 2-2-P-3-LOAD CONDITION 8

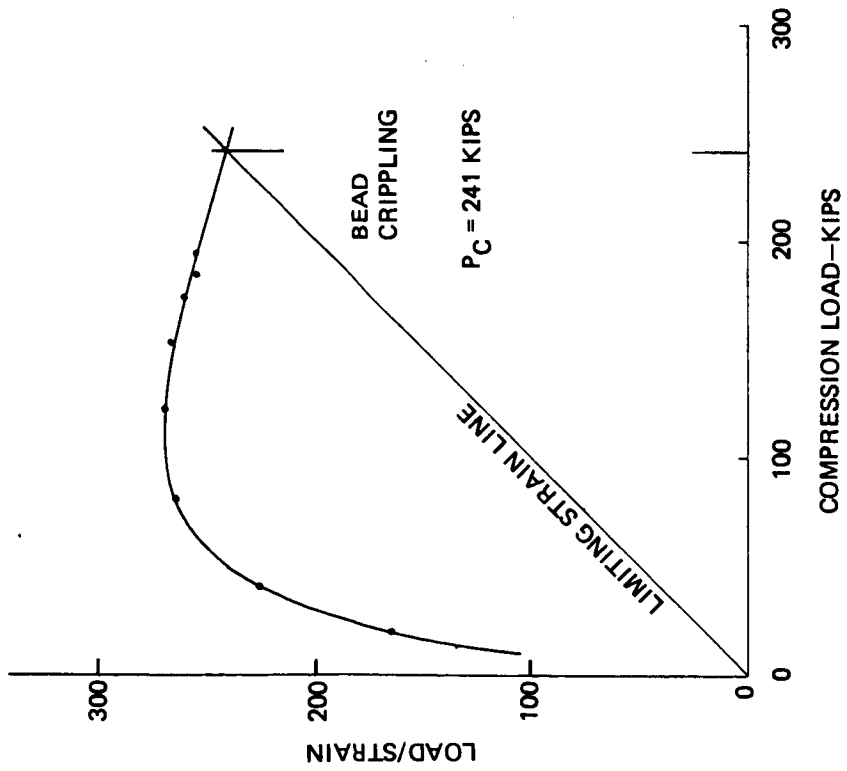


Figure 35-53: F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 9

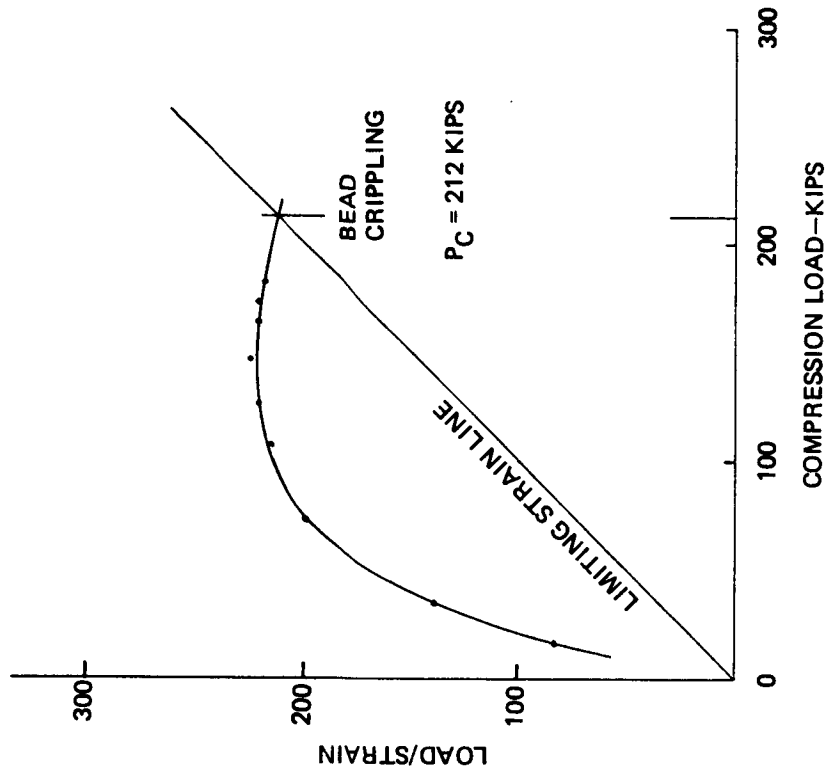


Figure 35-54: F/S PLOTS—PANEL 2-2-P-3—LOAD CONDITION 10

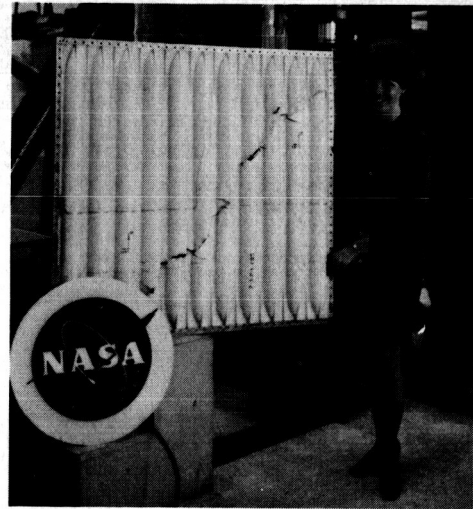
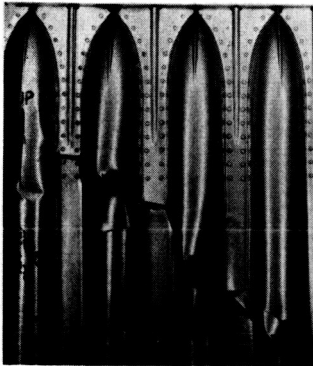
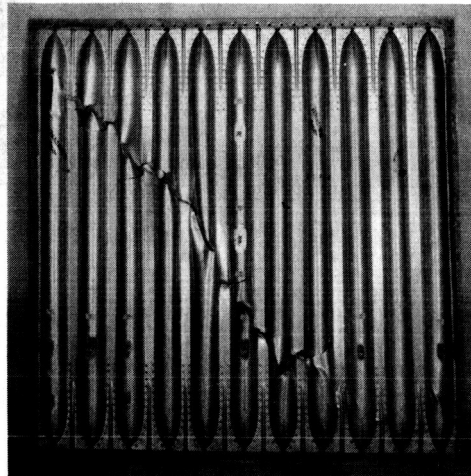


Figure 35-55: FAILURE 2-2-P-1-CS MOIRE' SIDE

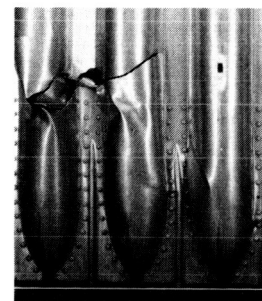


(a)



(b)

Figure 35-56: FAILURE 2-2-P-1-CS PRESSURE SIDE



(c)

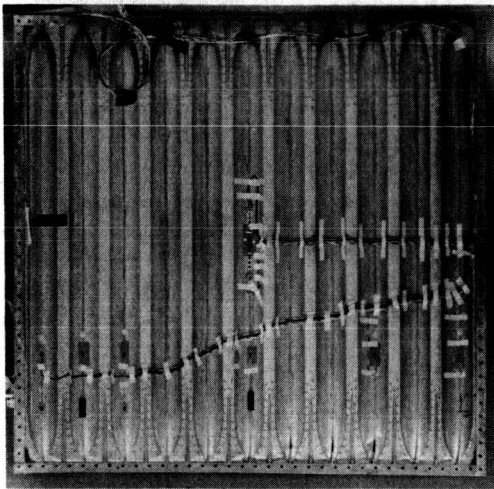
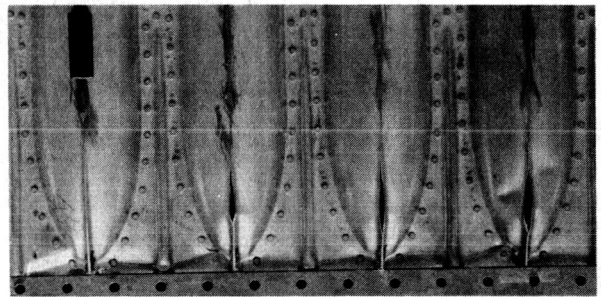


Figure 35-57: FAILURE 2-2-P-2-C
PRESSURE SIDE

(a)



(b)

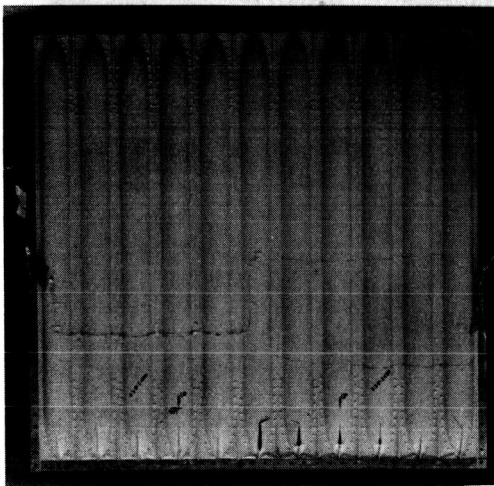
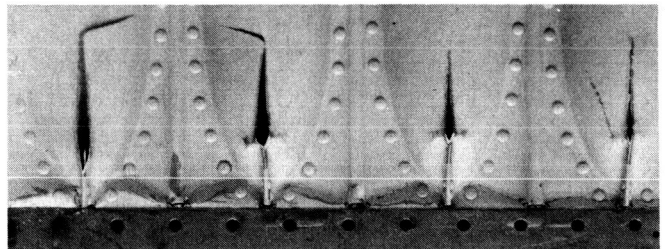


Figure 35-58: FAILURE 2-2-P-2-C
MOIRÉ SIDE

(a)



(b)

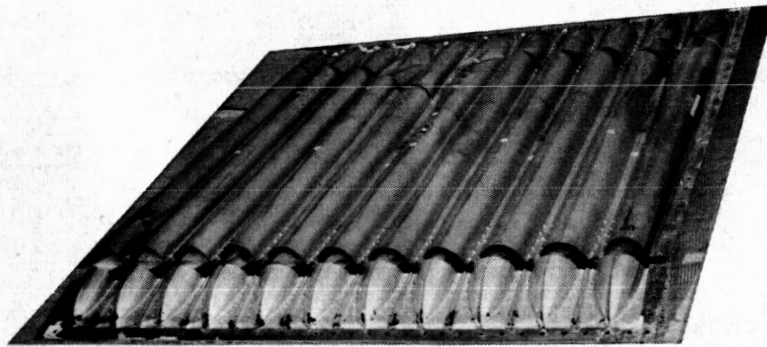


Figure 35-59: FAILURE 2-2-P-3-S PRESSURE SIDE (PANEL END CUT SUBSEQUENT TO TEST)

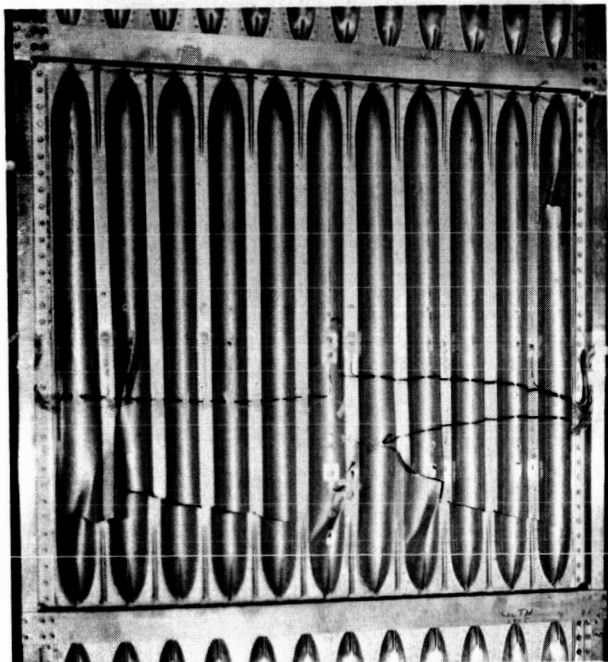
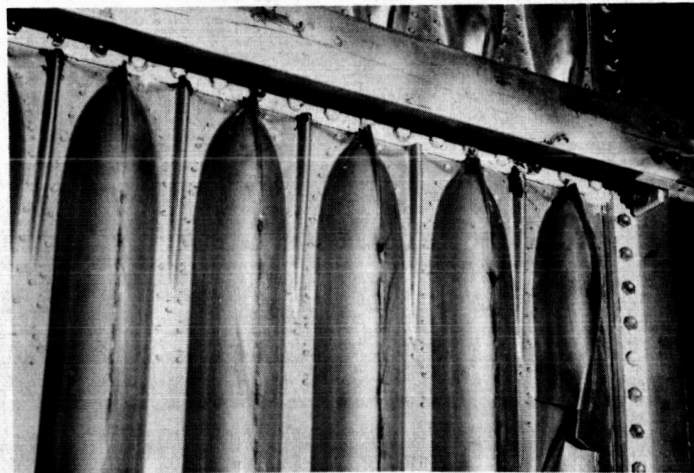


Figure 35-60: FAILURE 2-2-P-3-S MOIRE' SIDE

35.2.2 Fluted Single Sheet - Low Load

Two 40 x 40 inch fluted single sheet low load panels were tested to failure in the panel combined load test fixture (Figure 33-4). The test results of panels 1A-1-P-1-CBS and 1A-1-P-2-CBS are presented in Tables 35-8 and 35-9 respectively. Force/Stiffness plots for these tests are shown in Figures 35-61 through 35-80. Extrapolation of the test data to the predicted failure was made graphically. Photos of the failed panels are shown in Figures 35-81 through 35-86. Comparison of Figure 35-83 with 35-84 shows the shapes of the beads distorted by impending diagonal mode buckles. The shapes are best observed by viewing the shadows from heavy grid lines placed at 5 inch intervals on the Moire' grid glass.

Strain gage and deflection data from the fluted single sheet panels is presented in Appendix A2. An index of the data presented can be found on Page A43.

Table 35-8: PANEL 1A-1-P-1-CBS FLUTED SINGLE SHEET—LOW LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N _X ONLY	148	120	112	35-61	
2	N _{XY} ONLY	11.2	9.9	8.5	35-62	
3	N _{XY} = 1/5 N _X	117	130	100	35-63	
4	N _{XY} = 1/3 N _X	96	92	84.9	35-64	
5	N _X , P = 0.5 PSI	145	121	114	35-65	
6	N _X , P = 1.0 PSI	127	119	109	35-66	
7	N _{XY} , P = 0.5 PSI	11.2	8.4	8.2	35-67	
8	N _{XY} , P = 1.0 PSI	11.2	9.2	8.7	35-68	
9	N _{XY} = 1/3 N _X , P = 0.5 PSI	93	80.8	77.7	35-69	
10	N _{XY} = 1/3 N _X , P = 1.0 PSI	90	86.2	80.8 *	35-70	

* FAILURE LOAD

Table 35-9: PANEL 1A-1-P-2-CBS FLUTED SINGLE SHEET—LOW LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N _X ONLY	148	121-125	119	35-71	
2	N _{XY} ONLY	11.2	10.3	10.4	35-72	
3	N _{XY} = 1/5 N _X	101	91-96	80.9	35-73	
4	N _{XY} = 1/3 N _X	75.2	69-72	64.7	35-74	
5	N _X , P = 0.5 PSI	128	115-121	102	35-75	
6	N _X , P = 1.0 PSI	113	102-113	90.0	35-76	
7	N _{XY} , P = 0.5 PSI	11.2	9.9-10.5	9.7	35-77	
8	N _{XY} , P = 1.0 PSI	11.2	9.8-10.0	9.0	35-78	
9	N _{XY} = 1/3 N _X , P = 0.5 PSI	75.2	70-72	64.8	35-79	
10	N _{XY} = 1/3 N _X , P = 1.0 PSI	75.2	74-76	72.9 *	35-80	

* FAILURE LOAD

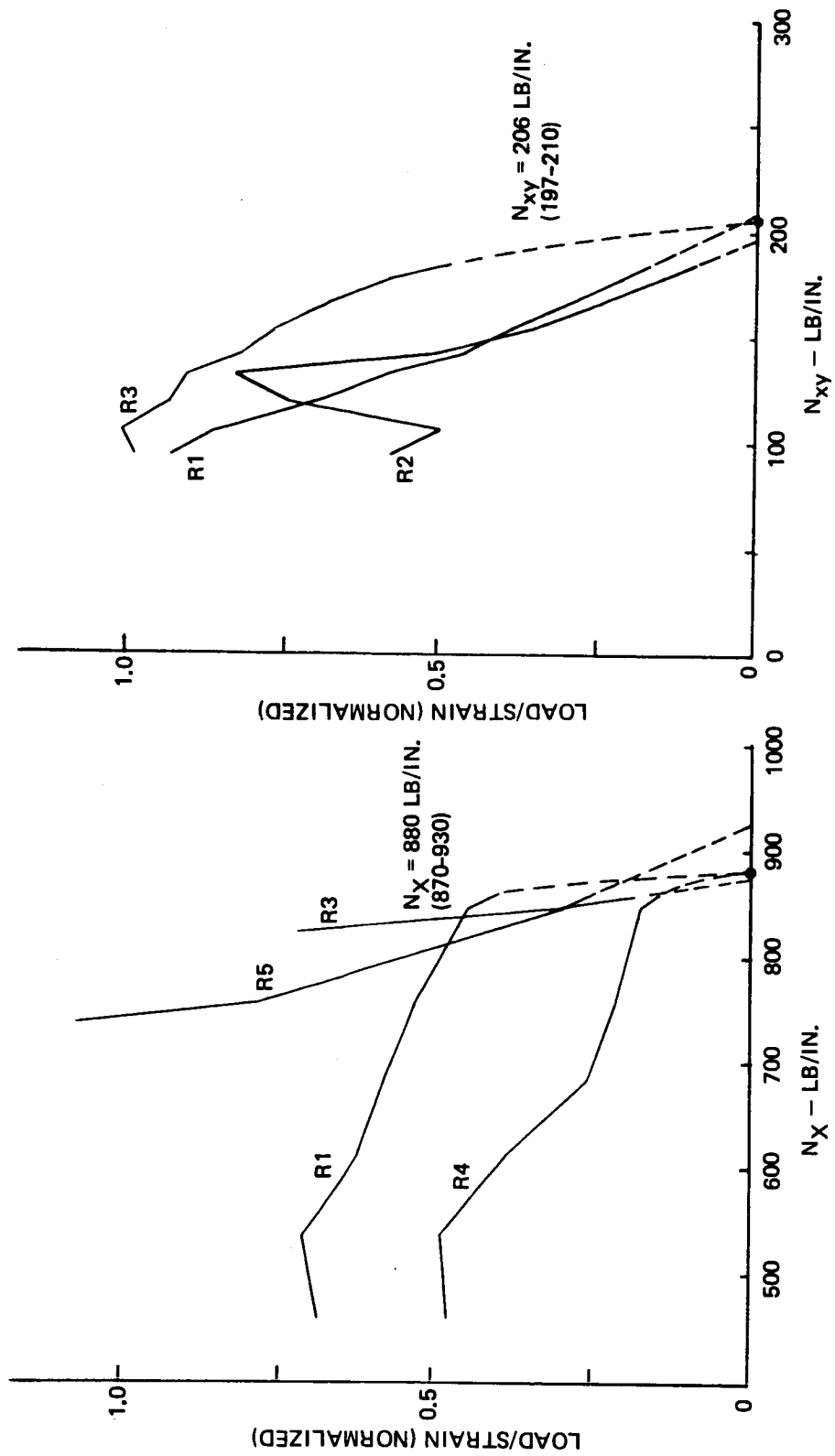


Figure 35-61: F/S PLOTS-PANEL 1A-1-P-1-LOAD CONDITION 11

Figure 35-62: F/S PLOTS-PANEL 1A-1-P-1-LOAD CONDITION 12

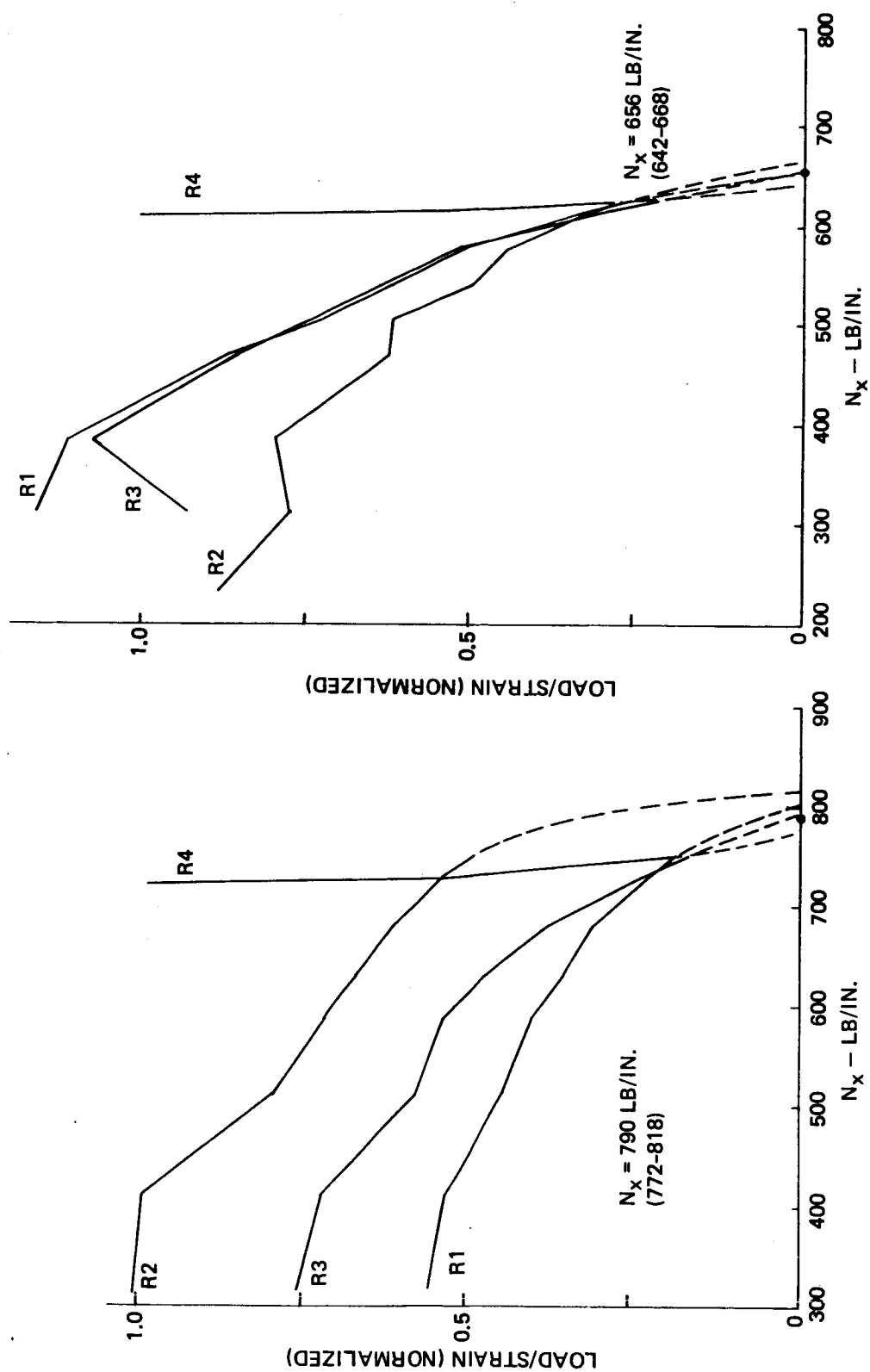


Figure 35-63 : F/S PLOTS—PANEL 1A-1-P-1—LOAD CONDITION 13

Figure 35-64 : F/S PLOTS—PANEL 1A-1-P-1—LOAD CONDITION 14

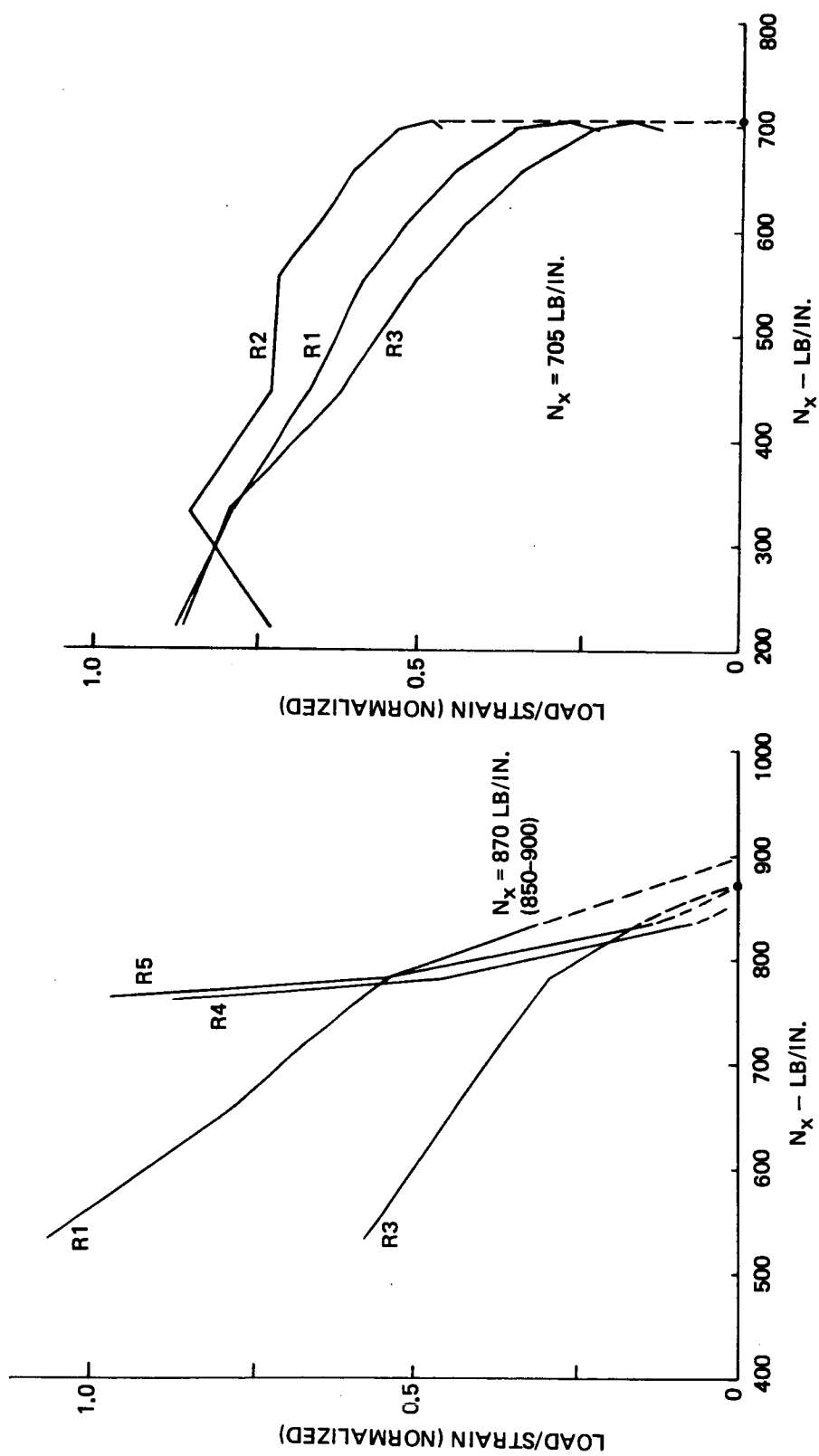


Figure 35-65: F/S PLOTS-PANEL 1A-1-P.1-LOAD CONDITION 15 Figure 35-66: F/S PLOTS-PANEL 1A-1-P.1-LOAD CONDITION 16

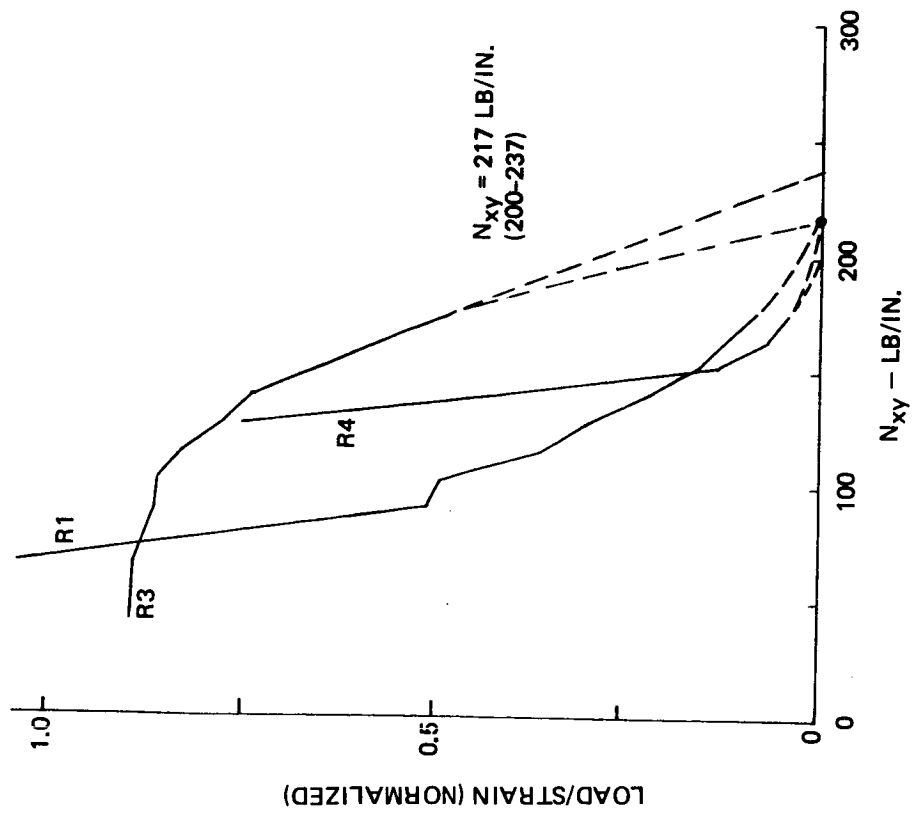


Figure 35-67: F/S PLOTS-PANEL 1A-1-P-1-LOAD CONDITION 17

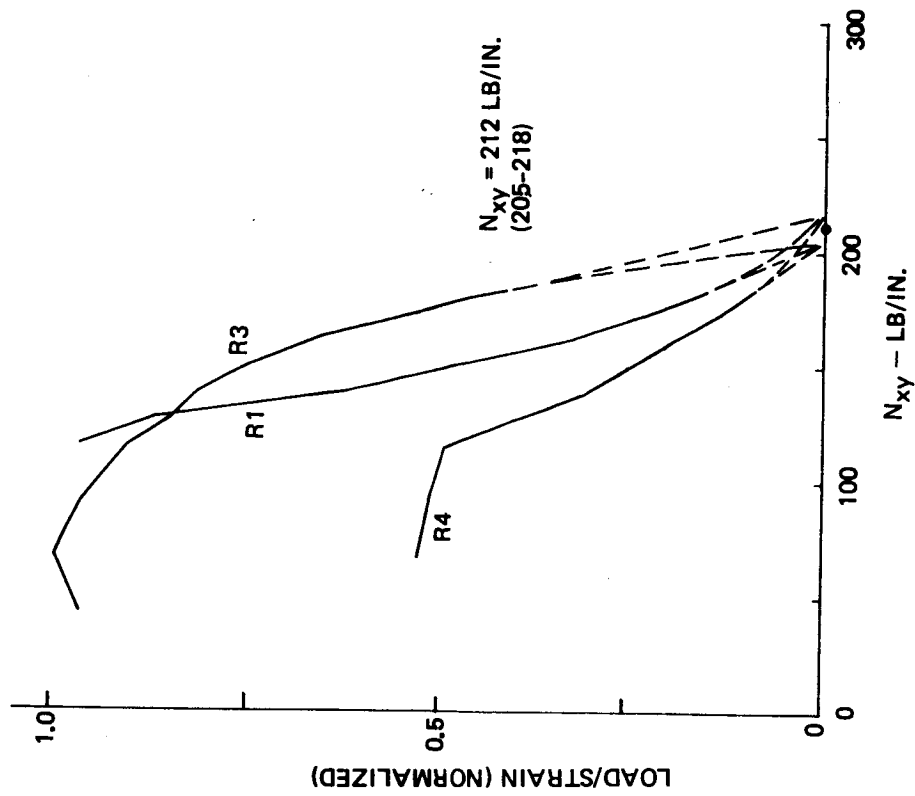


Figure 35-68: F/S PLOTS-PANEL 1A-1-P-1-LOAD CONDITION 18

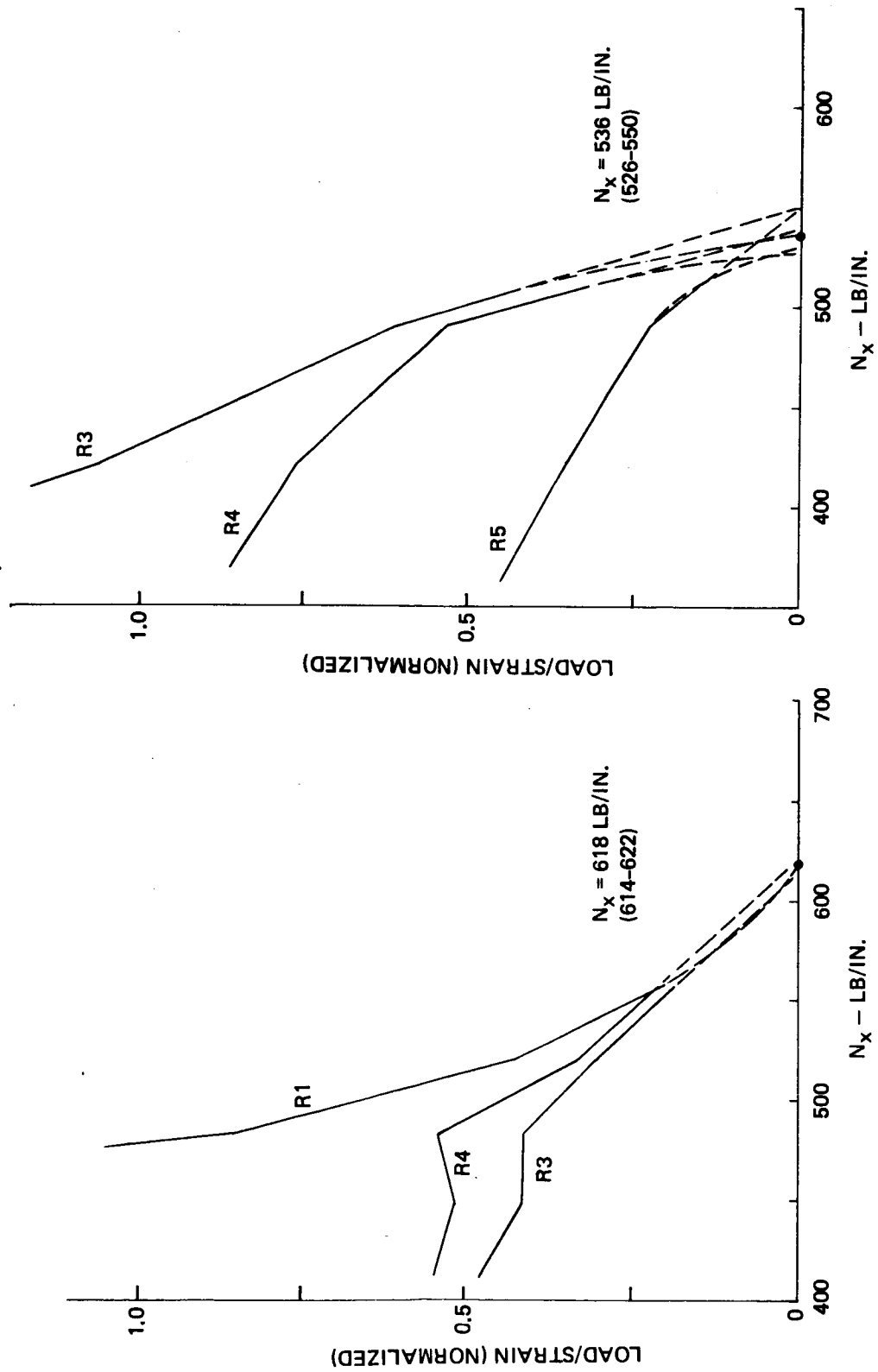


Figure 35-69: F/S PLOTS-PANEL 1A-1-P-1-LOAD CONDITION 19 Figure 35-70: F/S PLOTS-PANEL 1A-1-P-1-LOAD CONDITION 20

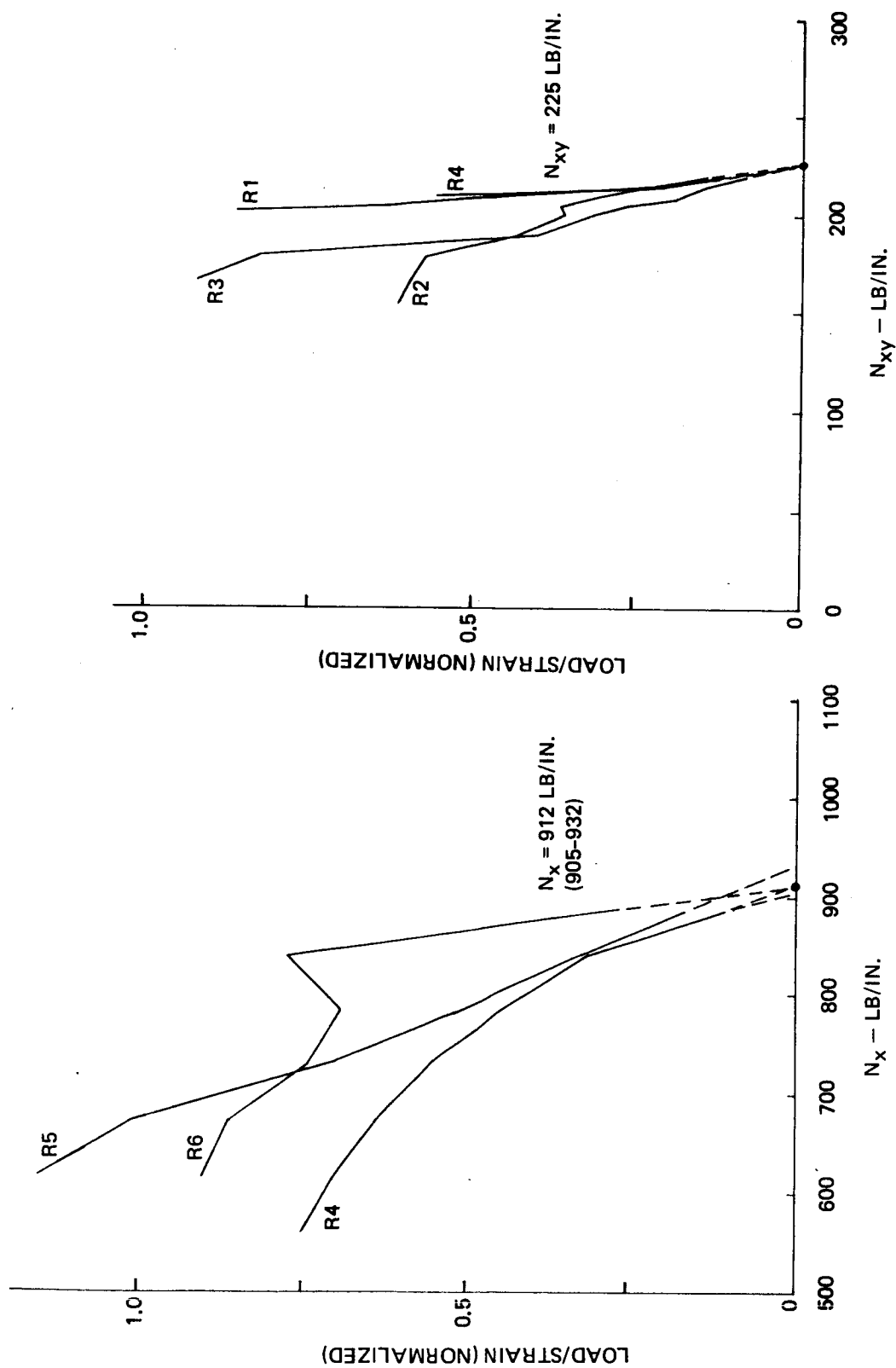


Figure 35-71: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 11 Figure 35-72: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 22

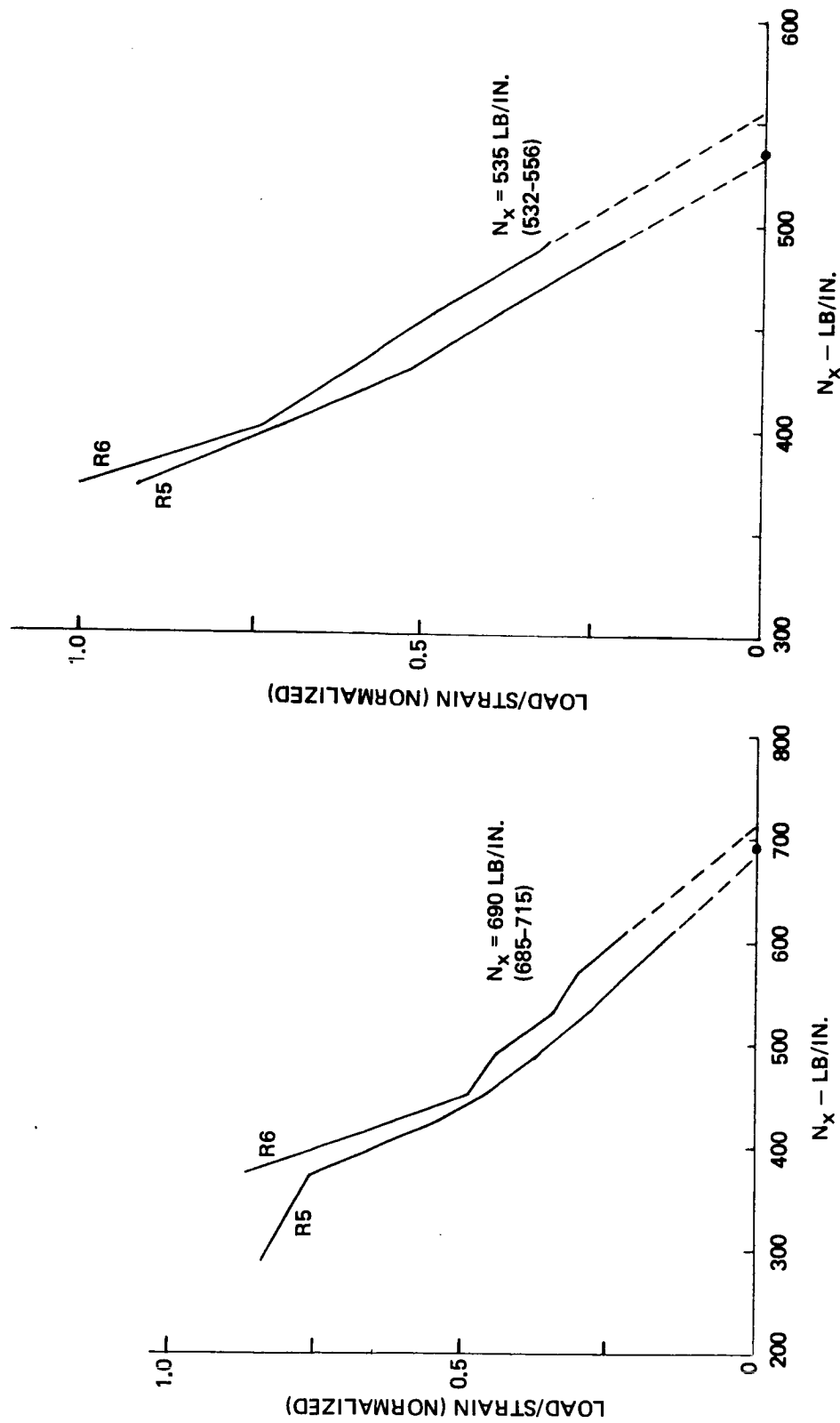


Figure 35-73: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 3

Figure 35-74: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 24

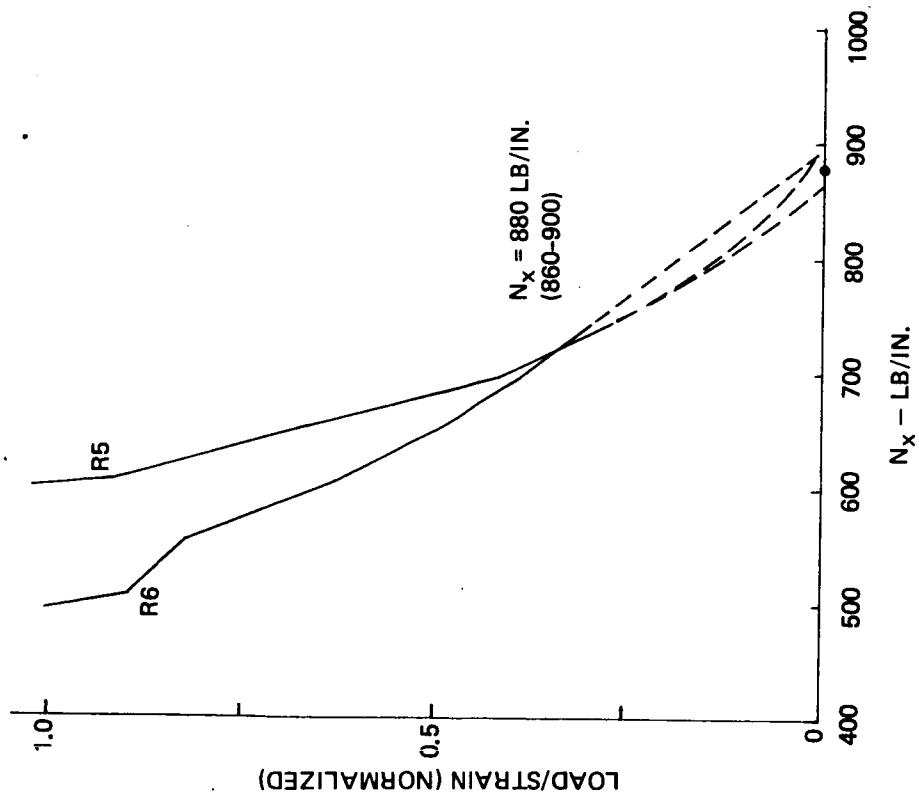


Figure 35-75: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 5

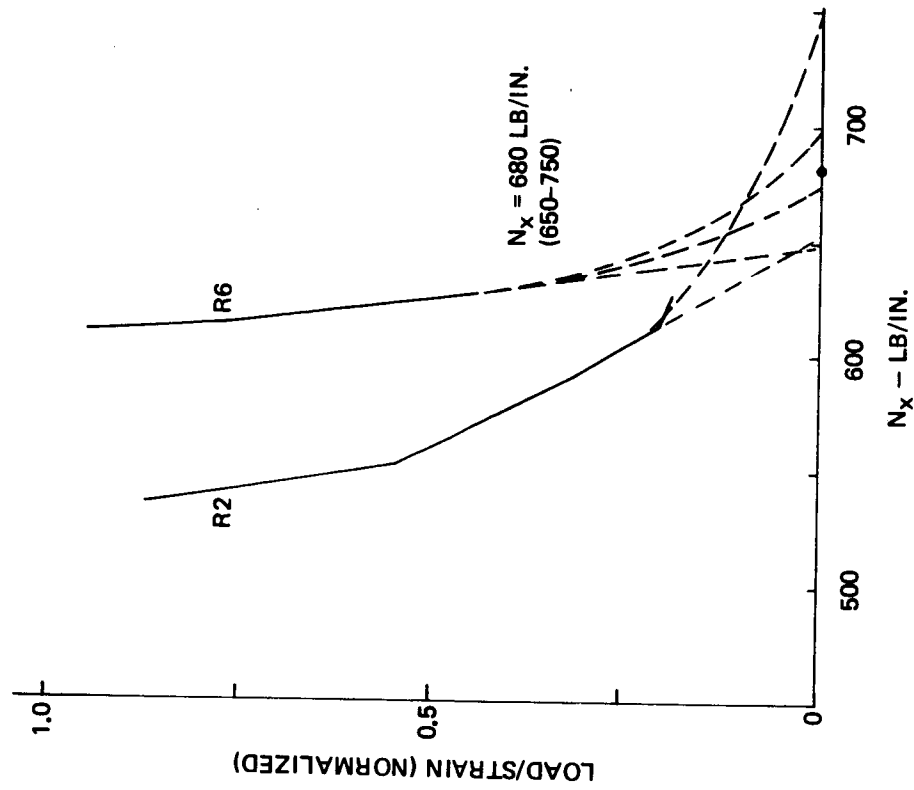


Figure 35-76: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 6

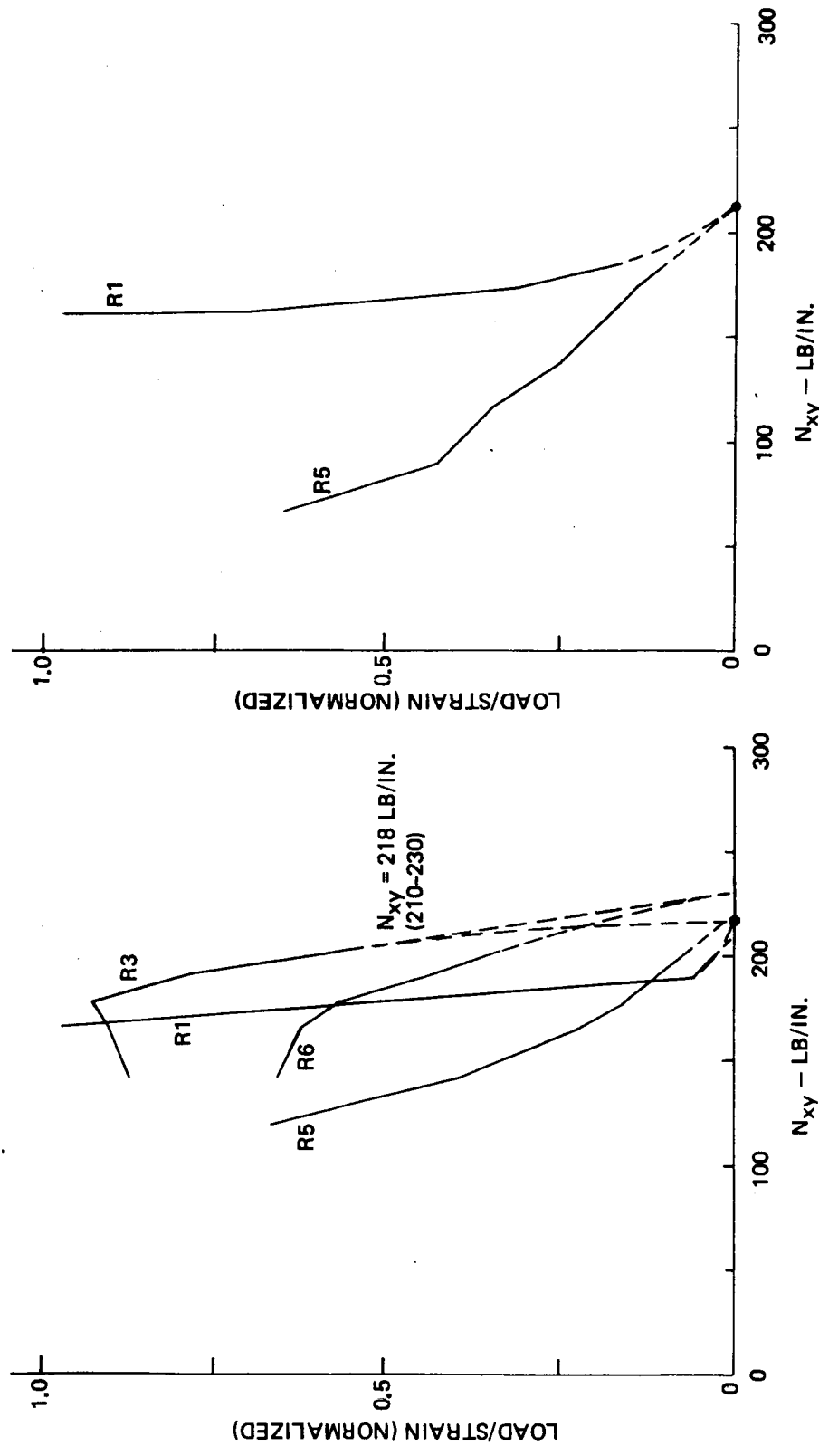


Figure 35-77: F/S PLOTS—PANEL 1A-1-P-2—LOAD CONDITION 17 Figure 35-78: F/S PLOTS—PANEL 1A-1-P-2—LOAD CONDITION 8

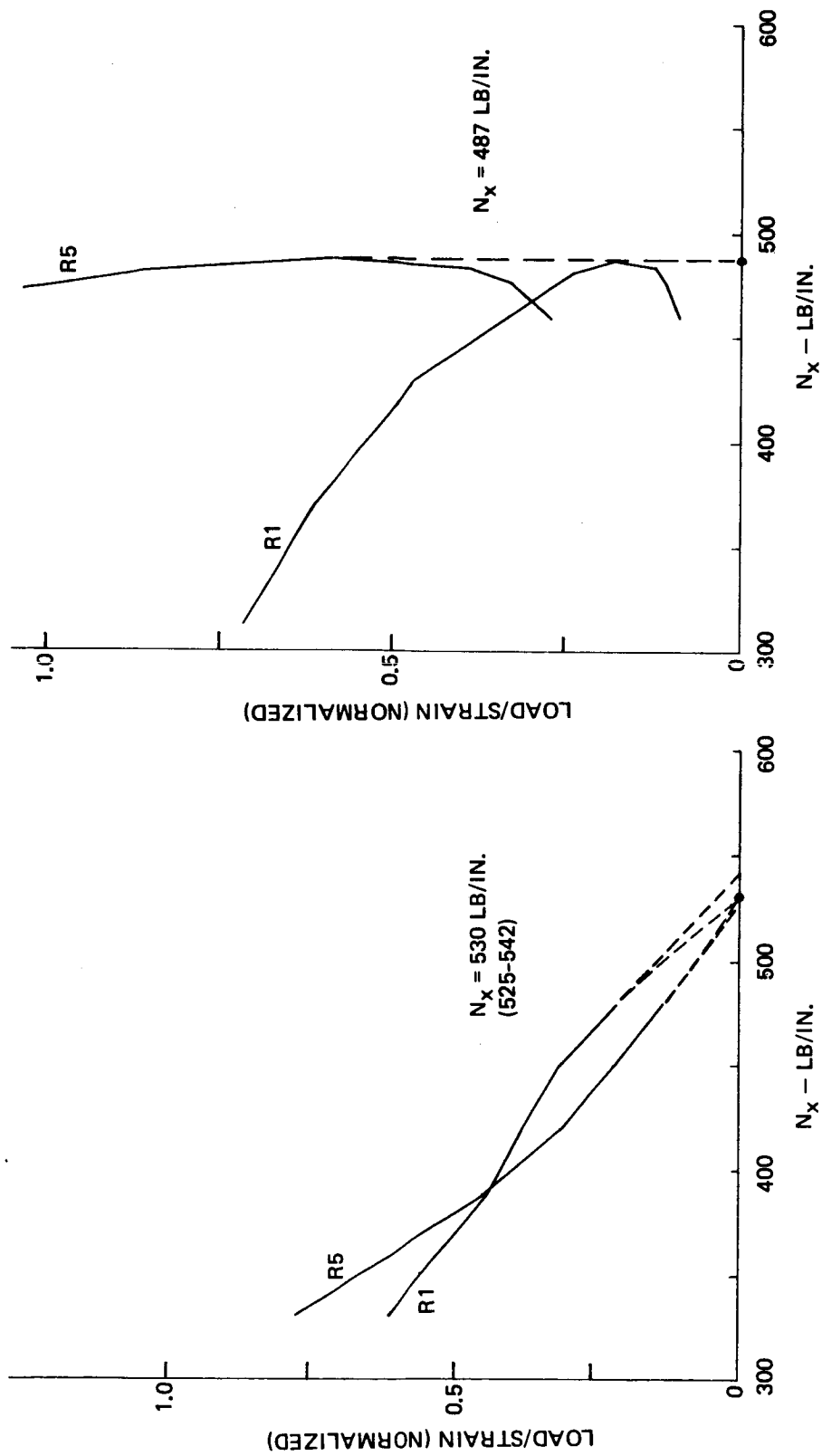


Figure 35-79: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 19 Figure 35-80: F/S PLOTS-PANEL 1A-1-P-2-LOAD CONDITION 20

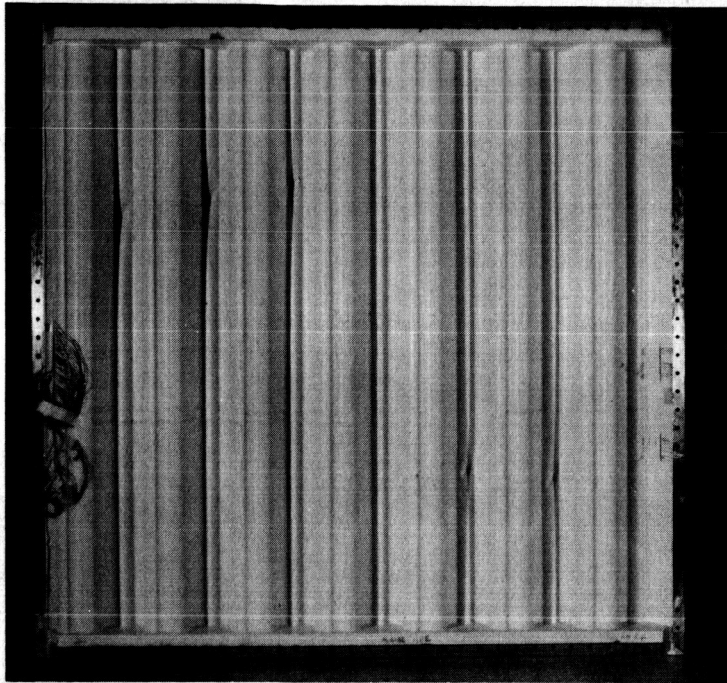


Figure 35-81: FAILURE 1A-1-P-1-CBS PRESSURE SIDE

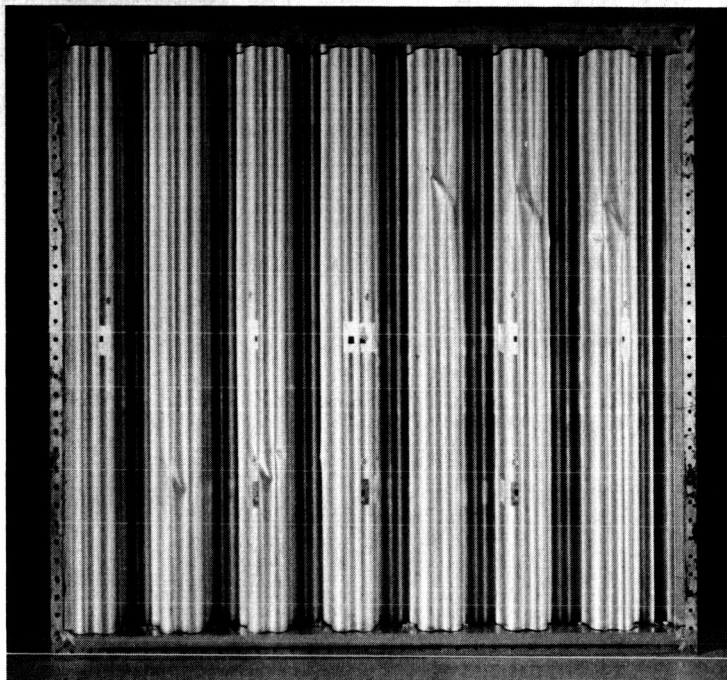
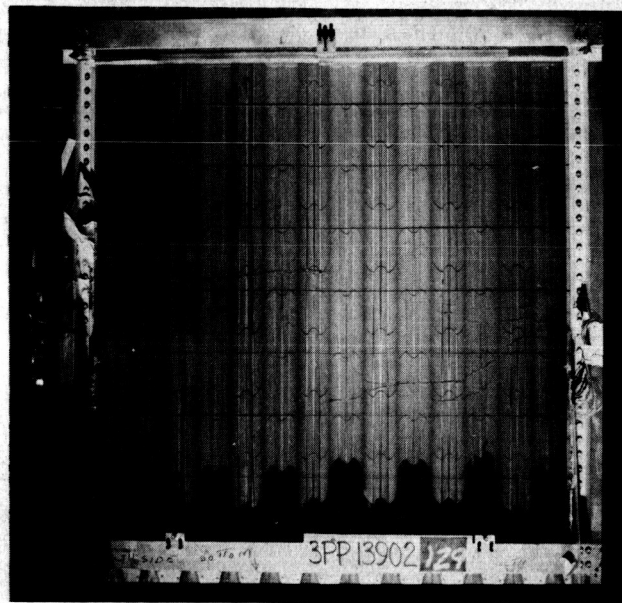
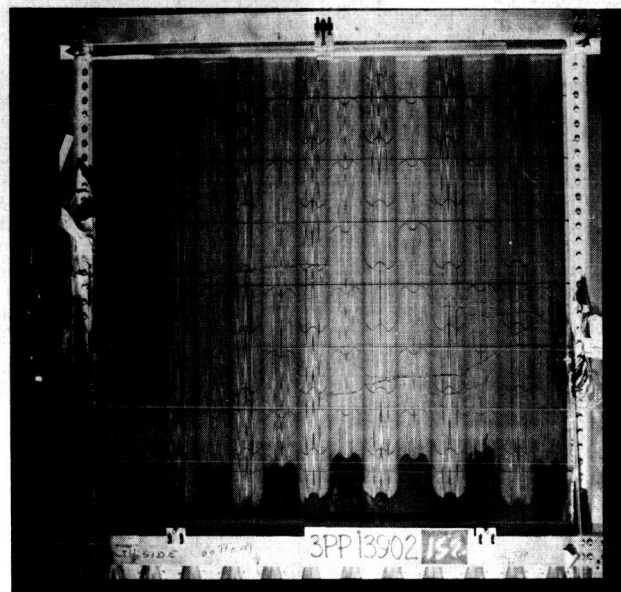


Figure 35-82: FAILURE 1A-1-P-1-CBS MOIRE' SIDE



*Figure 35-83: 1A-1-P-2-CBS MOIRE' 0% LOAD,
COMPRESSION/SHEAR/PRESSURE*



*Figure 35-84: 1A-1-P-2-CBS MOIRE', 90% LOAD AND 1.00 PSI,
COMPRESSION/SHEAR/PRESSURE*

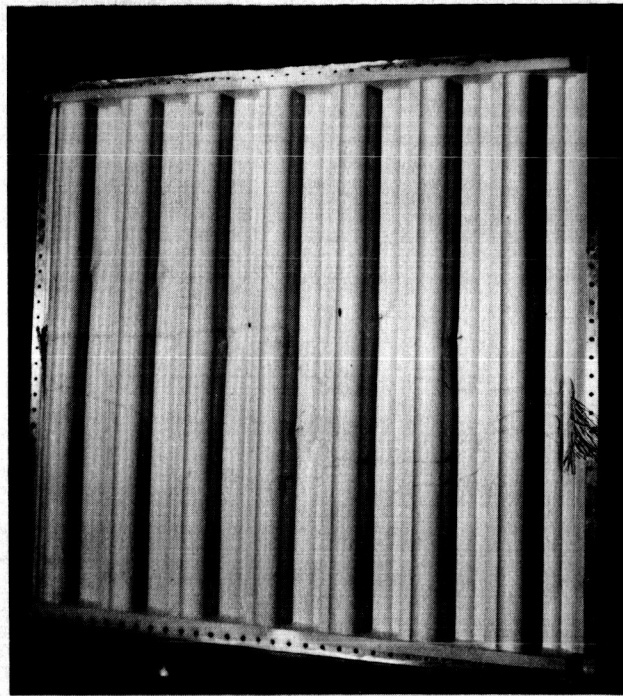


Figure 35-85: FAILURE 1A-1-P-2-CBS MOIRE' SIDE

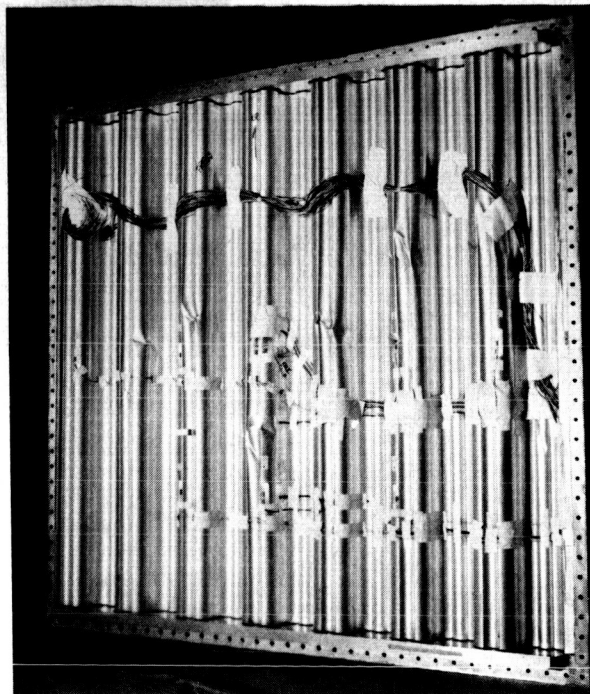


Figure 35-86: FAILURE 1A-1-P-2-CBS PRESSURE SIDE

35.2.3 Fluted Tube - Low Load

One 40 x 40 inch fluted tube low load panel was tested to failure in the panel combined load test fixture (Figure 33-4). Failure of this specimen, 2A-1-P-1-CBS, was by elastic buckling with no damage to the panel.

The specimen was then modified by drilling holes at the crests of the beads on six inch centers and inserting machined rods as spacers to prevent flattening of the tubes. The modified specimen was redesignated 2A-1-P-1M-CBS, and was tested to failure in the design load condition.

The test results of the two panels are presented in Tables 35-10 and 35-11. Force/Stiffness plots for these tests are shown in Figures 35-87 through 35-103. Extrapolation of the test data to the predicted failure was made graphically. Photos of the test panels are shown in Figures 35-104 through 35-110. Comparison of the Moire' fringe patterns of Figures 35-104 and 35-105 shows that the spacers inserted as a modification to reduce tube distortion appear to have accomplished their purpose. However, it can be seen from Table 35-11 that the improved test results were still less than theory. (See Reference 9 for discussion of distortion and comparison of theory with test data.)

Strain gage and deflection data from the fluted tube low load panels is presented in Appendix A2. An index to the data presented is found on Page A43.

Table 35-10: PANEL 2A-1P-1-CBS FLUTED TUBE—LOW LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N_X ONLY	101	76.3 *	84.8	35-87	35-104
2	N_{XY} ONLY	19.2	11.6	10.8	35-88	
3	$N_{XY} = 1/5 N_X$	98.2	76.6	67.2	35-89	
4	$N_{XY} = 1/3 N_X$	94.0	68.7	62.0	35-90	
5	$N_{XY} = 1/2 N_X$	78.4	52.5	51.7	35-91	
6	N_X , P = 1.0 PSI	73.2		45.2	35-92	35-106
7	N_{XY} , P = 1.0 PSI	19.2	12.3	10.8	35-93	
8	N_{XY} , P = 2.0 PSI	19.2		**	—	
9	$N_{XY} = 1/3 N_X$, P = 0.5 PSI	89.2	62.5	54.7	35-94	35-108
10	$N_{XY} = 1/3 N_X$, P = 1.0 PSI	71.2	67.5	32.0	35-95	

* ELASTIC BUCKLING LOAD—NO DAMAGE

** NOT TESTED BECAUSE OF LARGE DEFLECTIONS DUE TO PRESSURE

Table 35-11: PANEL 2A-1P-1M-CBS FLUTED TUBE—LOW LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N_X ONLY	101	93.0	85.9	35-96	35-105
2	N_{XY} ONLY	19.2	14.6	13.8	35-97	
3	$N_{XY} = 1/5 N_X$	98.2	89.4	82.5	35-98	
4	$N_{XY} = 1/3 N_X$	94.0	84.6	77.1	35-99	
5	$N_{XY} = 1/2 N_X$	78.4	62.0	58.8	35-100	
6	N_X , P = 1.0 PSI	73.2	69.6	65.9	35-101	35-107
7	N_{XY} , P = 1.0 PSI	19.2	15.3	15.0	35-102	
8	N_{XY} , P = 2.0 PSI	19.2		**	—	
9	$N_{XY} = 1/3 N_X$, P = 0.5 PSI	89.2		**	—	35-109 35-110
10	$N_{XY} = 1/3 N_X$, P = 1.0 PSI	71.2	71.0	71.2*	35-103	

* FAILURE LOAD

** CONDITIONS NOT TESTED

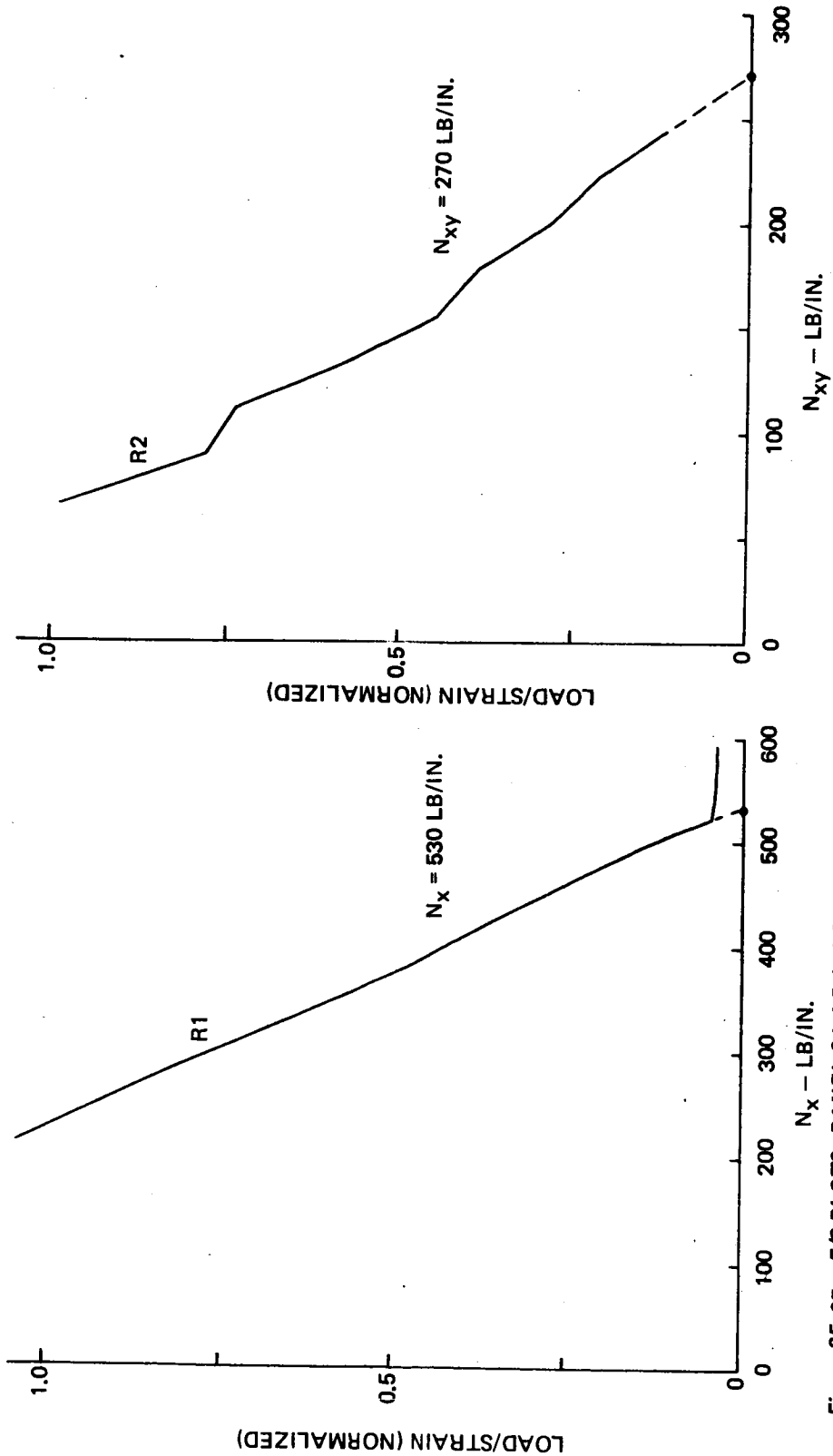
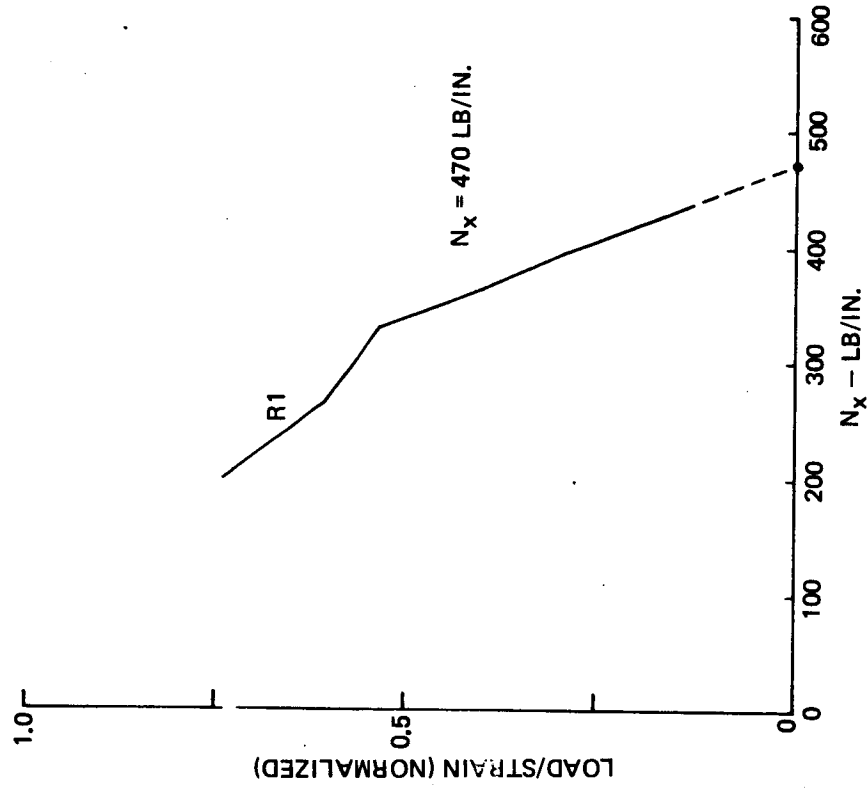
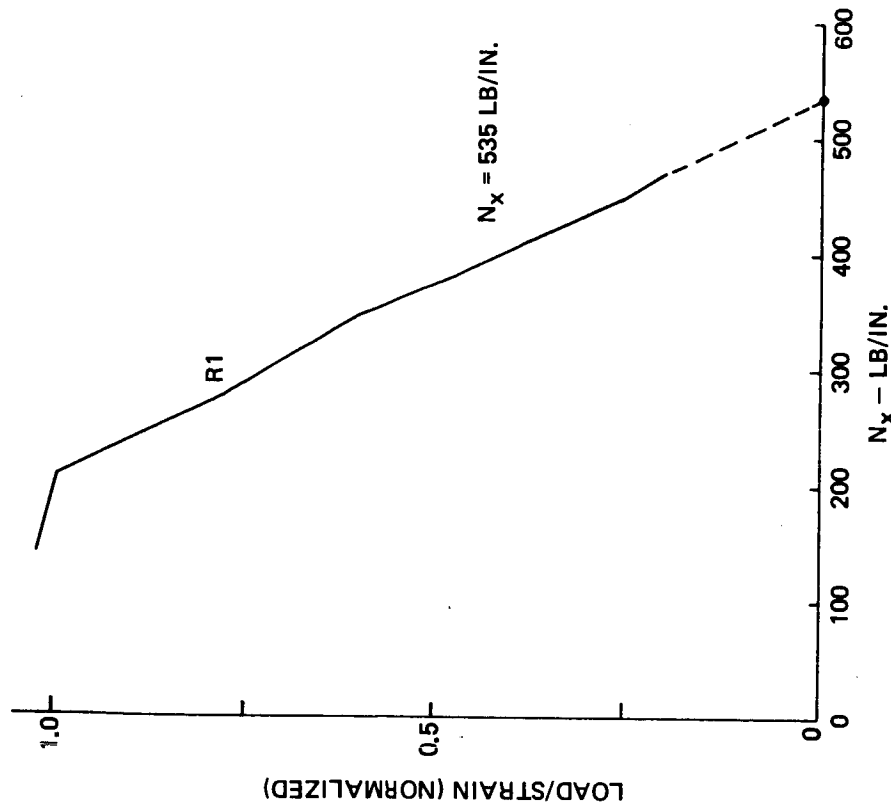
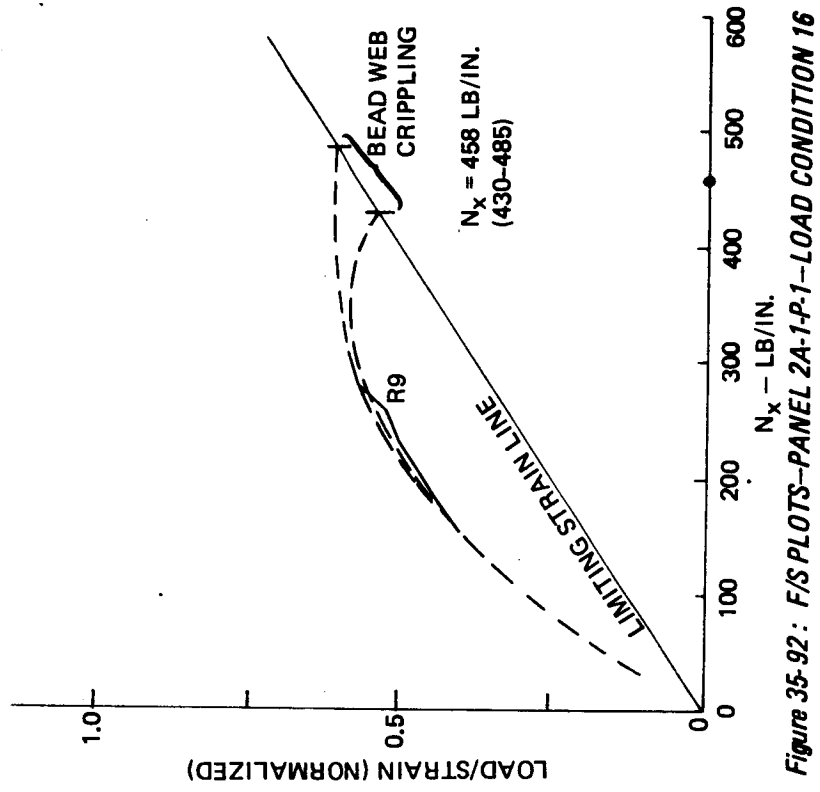
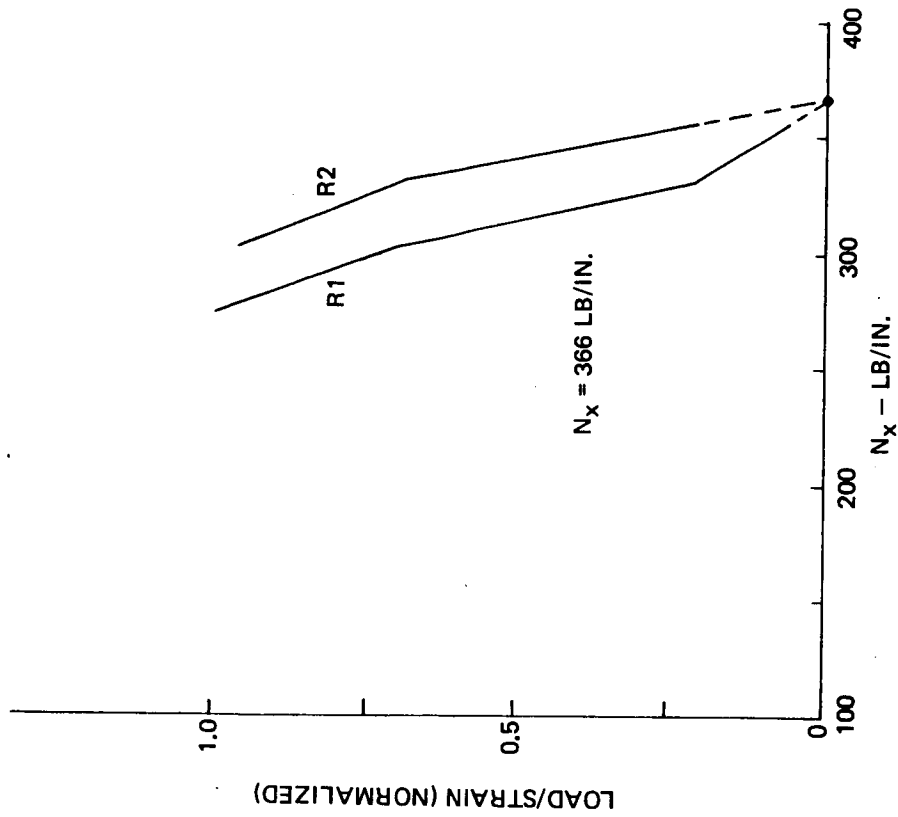


Figure 35-87: F/S PLOTS-PANEL 2A-1-P-1-LOAD CONDITION 31 Figure 35-88: F/S PLOTS-PANEL 2A-1-P-1-LOAD CONDITION 22





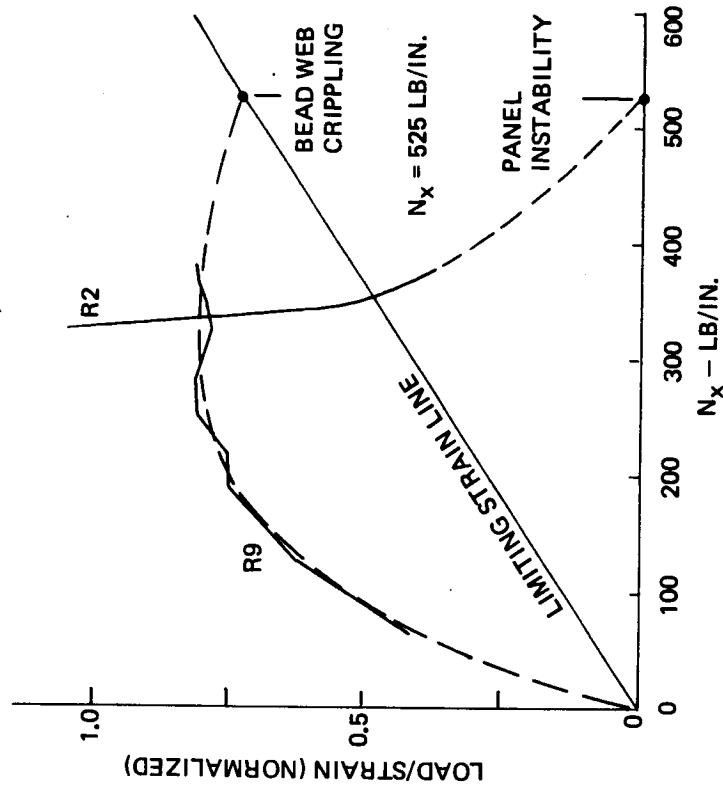
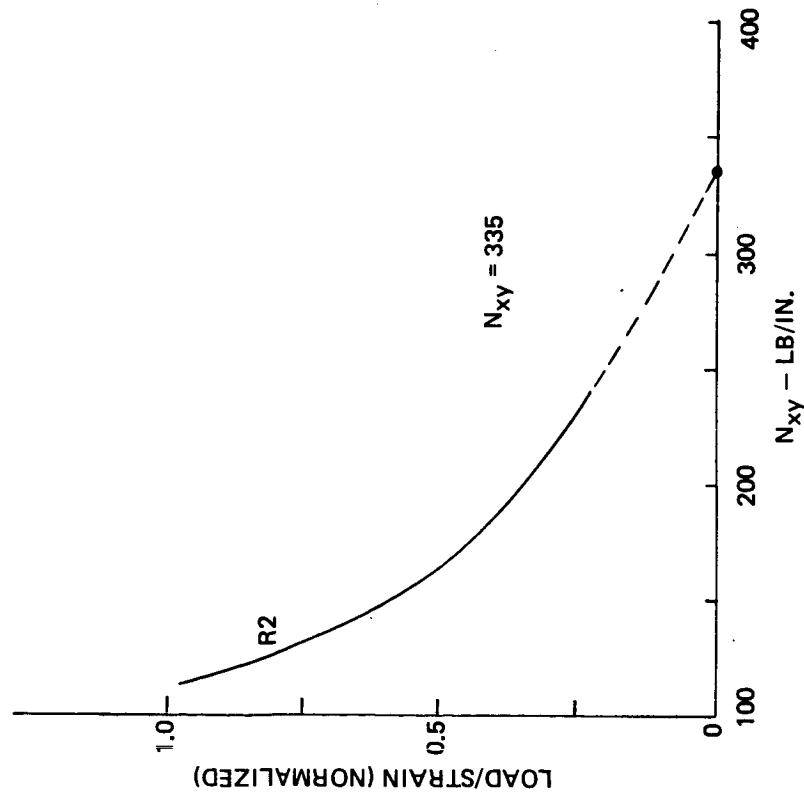


Figure 35-93 : F/S PLOTS-PANEL 2A-1-P-1-LOAD CONDITION 17 Figure 35-94 : F/S PLOTS-PANEL 2A-1-P-1-LOAD CONDITION 19

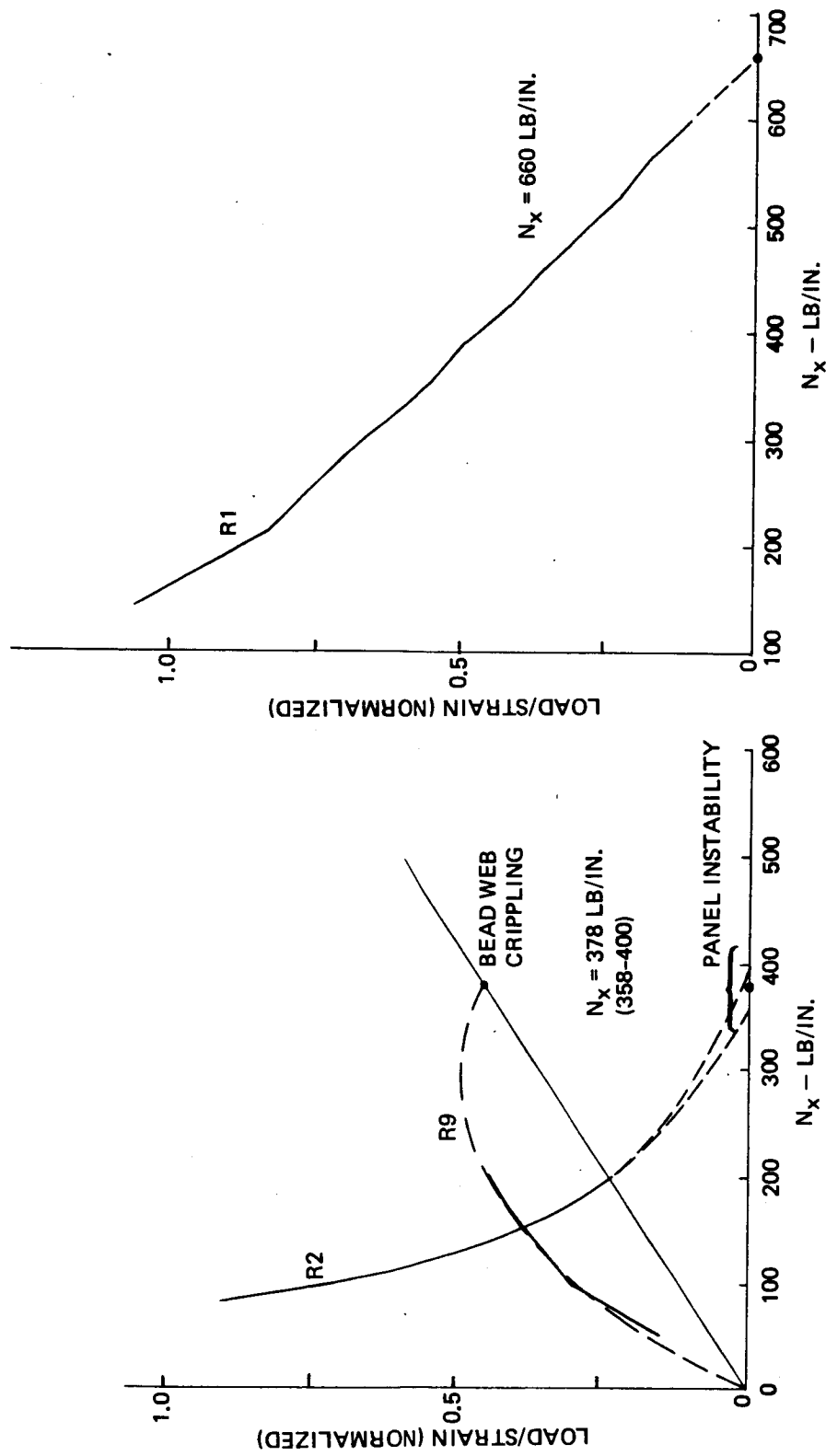


Figure 35-95: F/S PLOTS-PANEL 2A-1-P-1-LOAD CONDITION 20 Figure 35-96: F/S PLOTS-PANEL 2A-1-P-1M-LOAD CONDITION 1

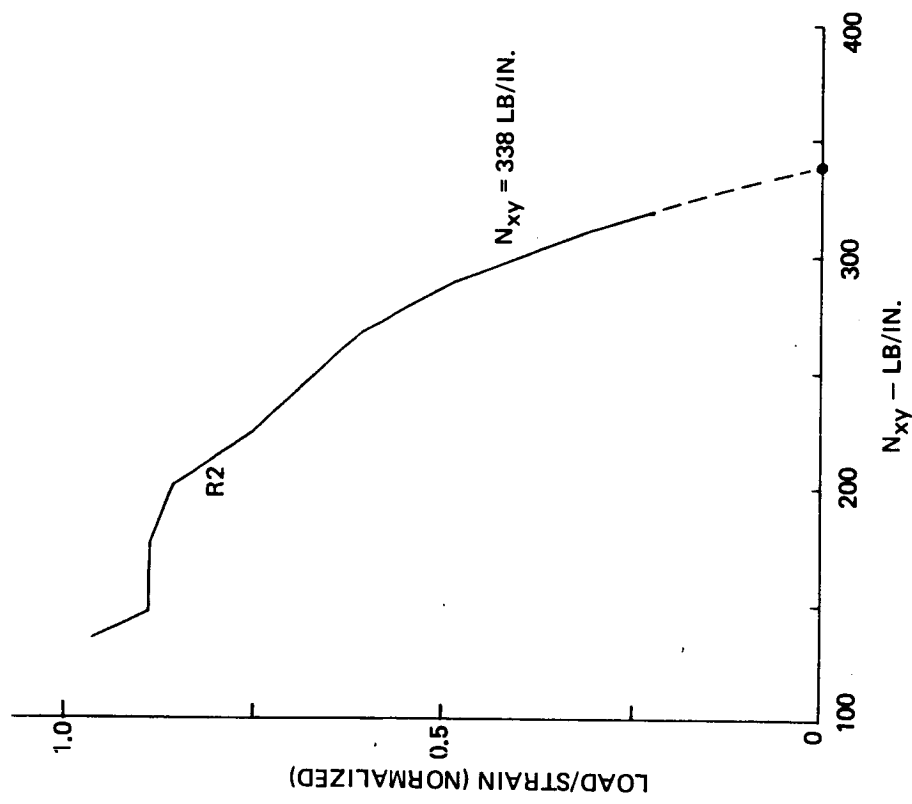


Figure 35-97: F/S PLOTS—PANEL 2A-1-P-1M—LOAD CONDITION 2

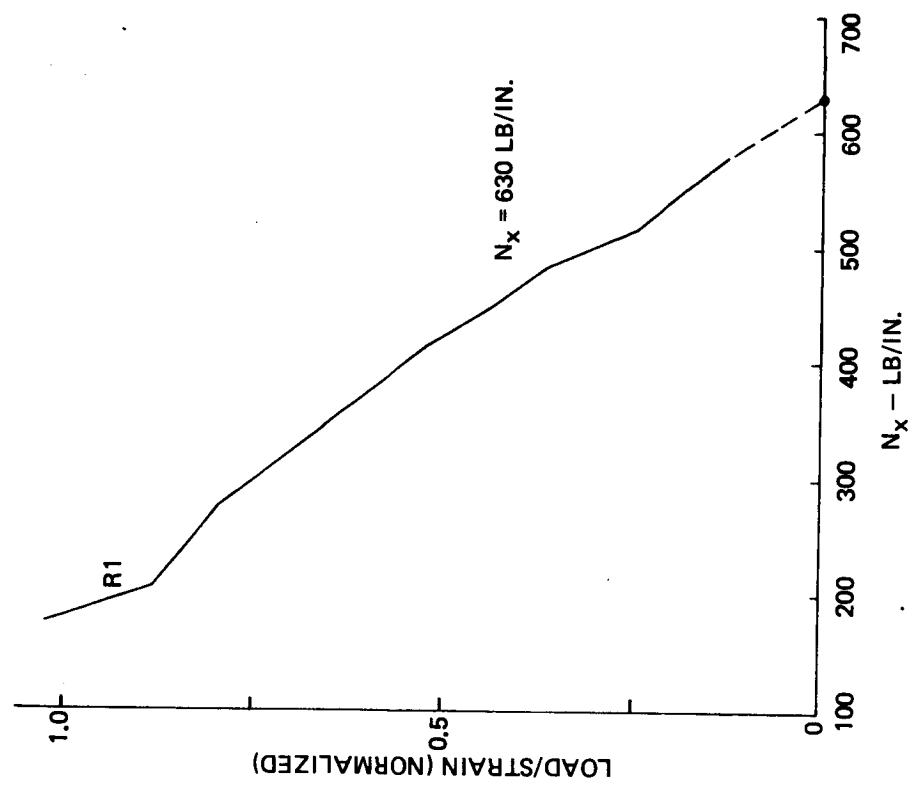


Figure 35-98: F/S PLOTS—PANEL 2A-1-P-1M—LOAD CONDITION 3

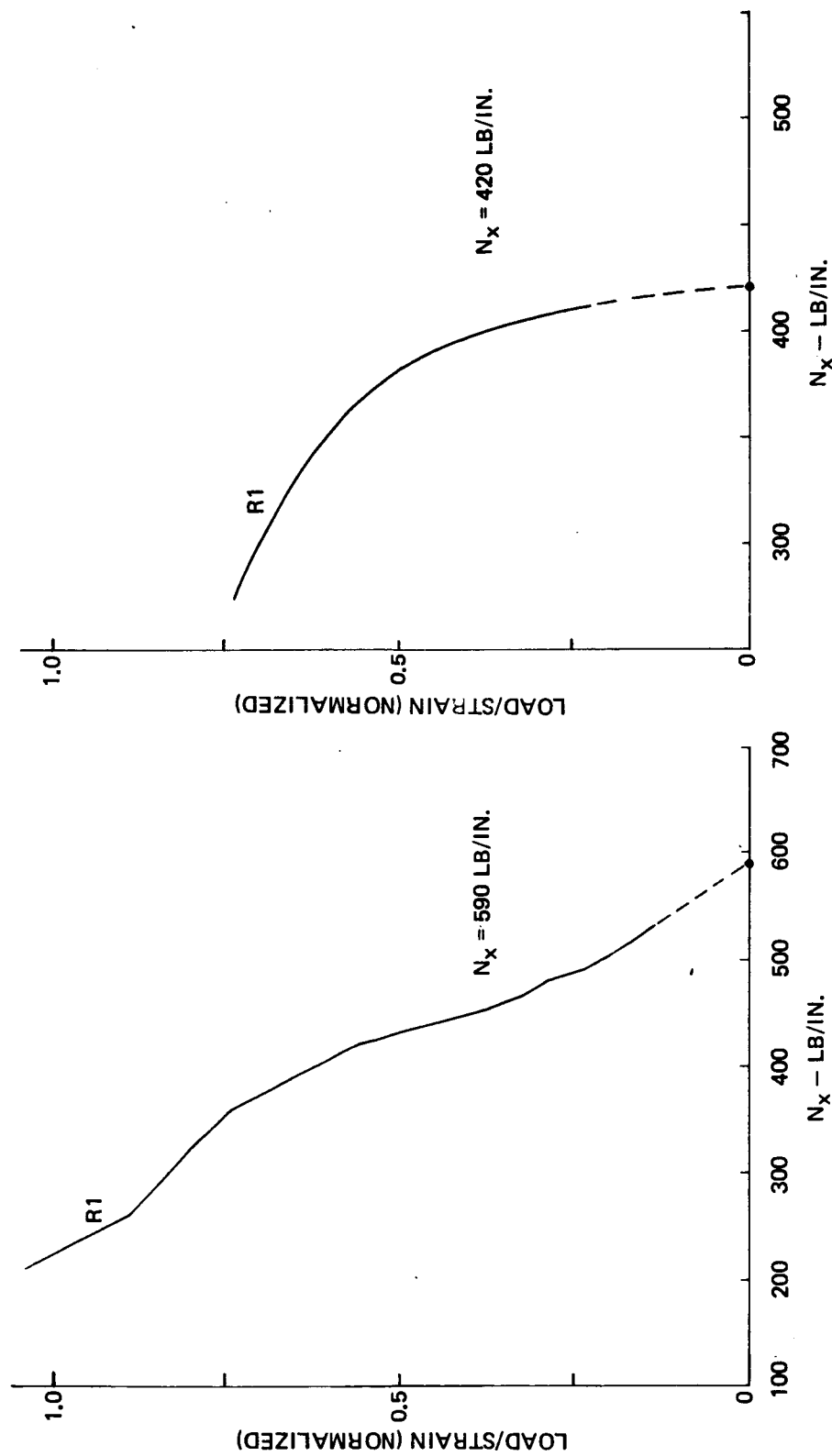


Figure 35-99: F/S PLOTS—PANEL 2A-1-P-1M—LOAD CONDITION 4 Figure 35-100: F/S PLOTS—PANEL 2A-1-P-1M—LOAD CONDITION 5

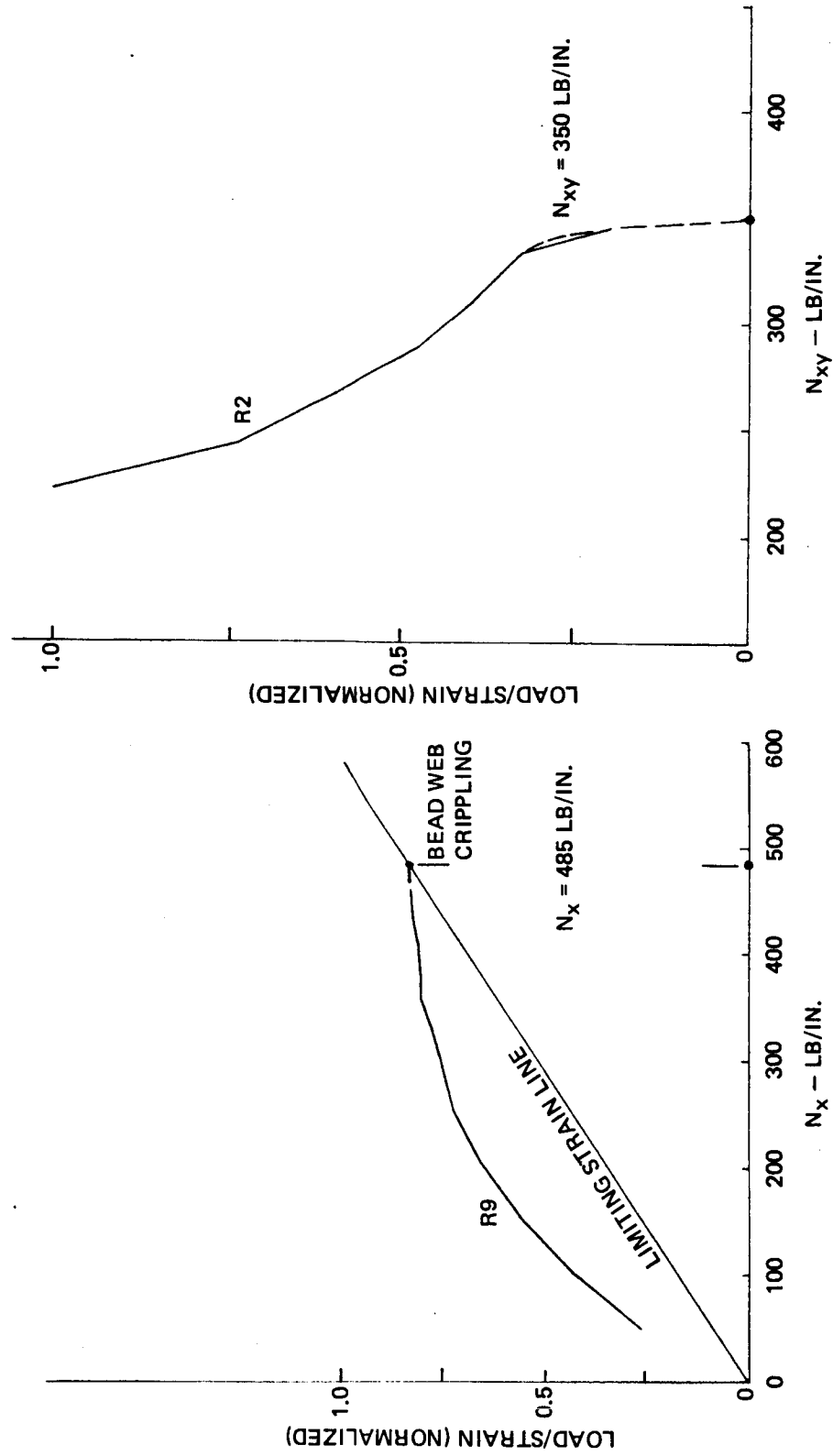


Figure 35-101: F/S PLOTS—PANEL 2A-1-P-1M—LOAD CONDITION 6 Figure 35-102: F/S PLOTS—PANEL 2A-1-P-1M—LOAD CONDITION 7

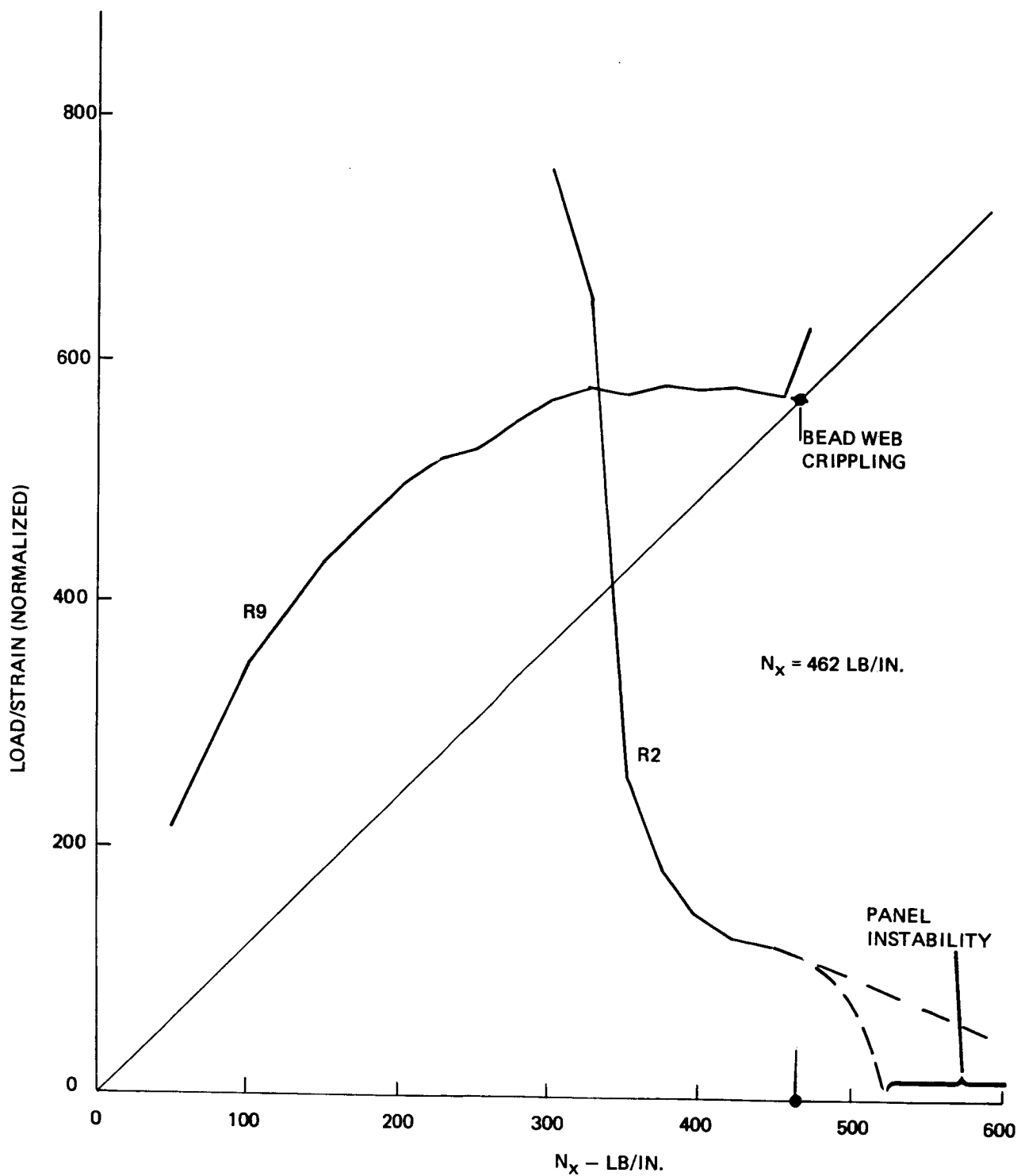


Figure 35-103: F/S PLOTS-PANEL 2A-1-P-1M-LOAD CONDITION 10

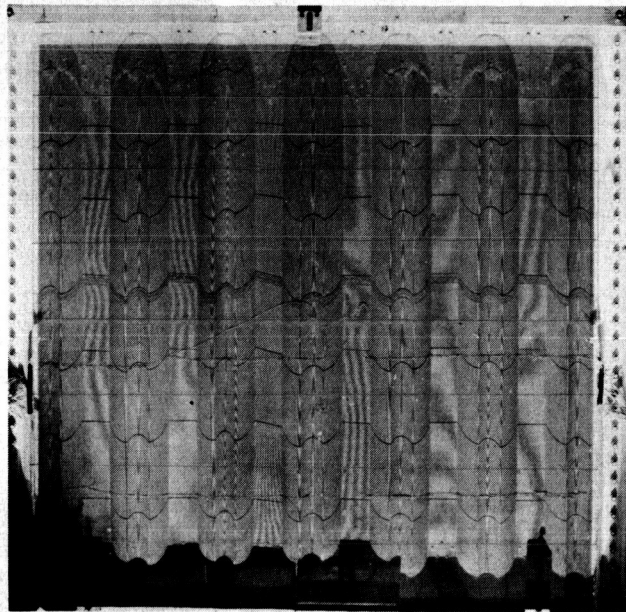


Figure 35-104: 2A-1-P-1-S MOIRE' 60% LOAD SHEAR ONLY

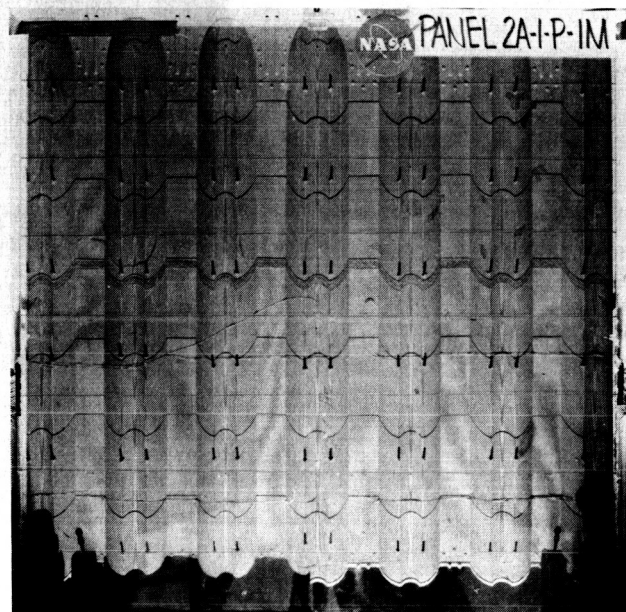


Figure 35- 105 : 2A-1-P-1M- S MOIRE' 60% LOAD SHEAR ONLY

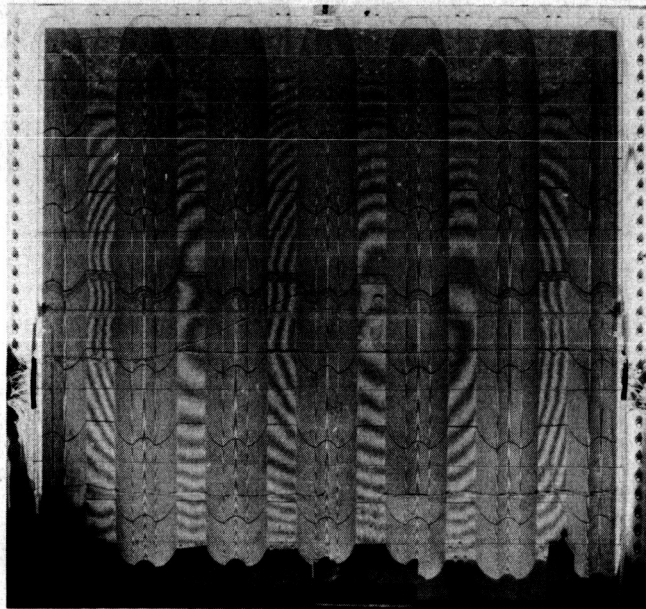


Figure 35- 106 : 2A-1-P-1- BS MOIRE', 1.00 PSI PRESSURE

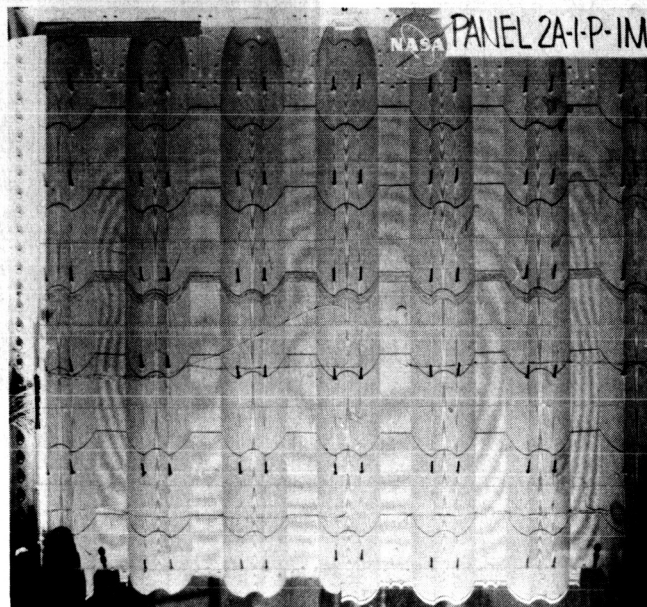
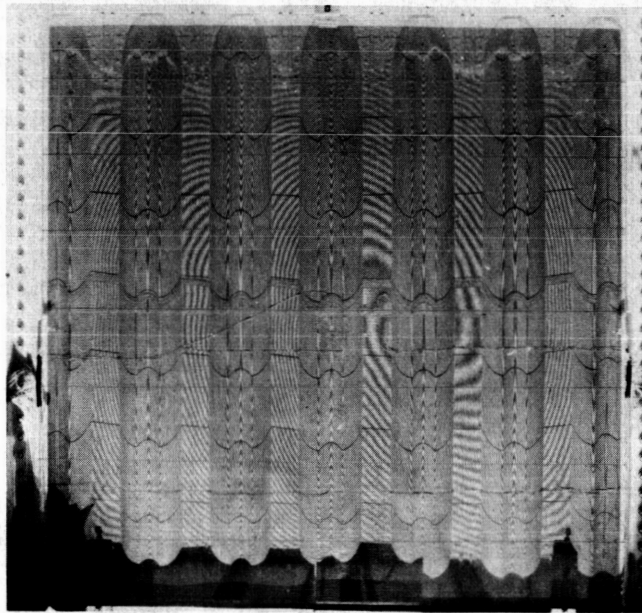
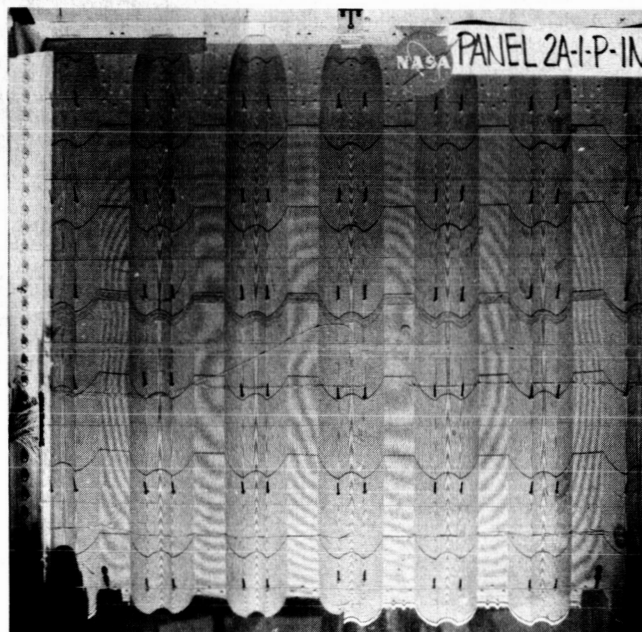


Figure 35-107: 2A-1-P-1M- BS MOIRE', 1.00 PSI PRESSURE



*Figure 35- 108 : 2A-1-P-1-CBS MOIRE', 50% LOAD AT 1.00 PSI
COMPRESSION/SHEAR/PRESSURE*



*Figure 35- 109 : 2A-1-P-1M-CBS MOIRE' 50% LOAD AT 1.00 PSI
COMPRESSION/SHEAR/PRESSURE*

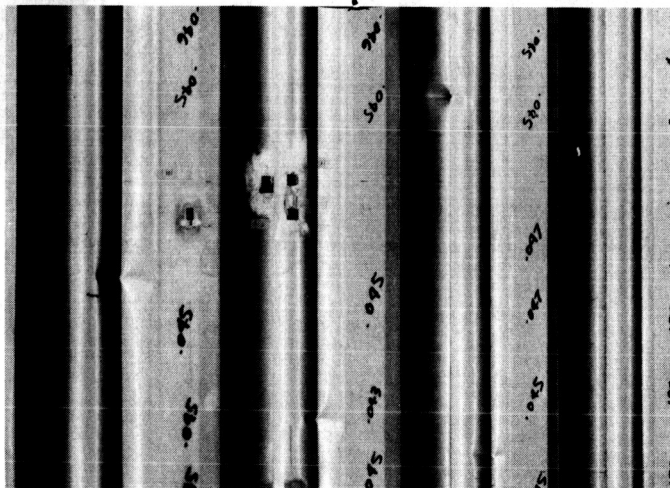
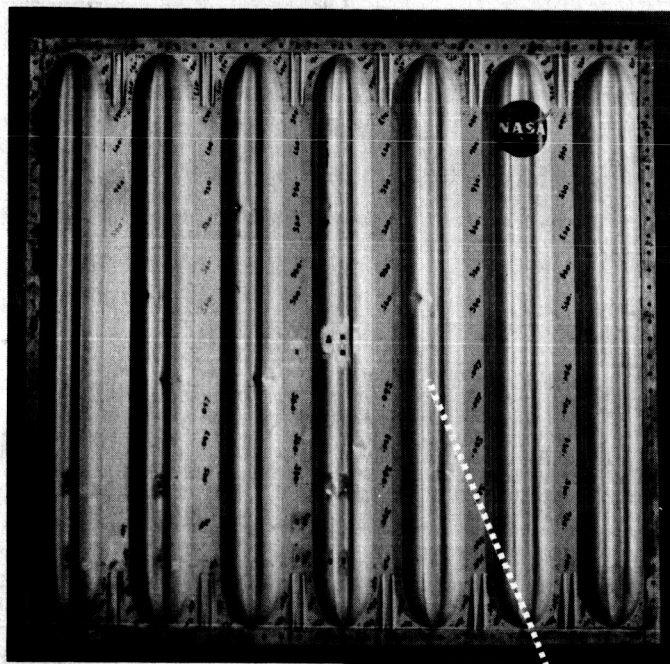


Figure 35-110: FAILURE – PANEL 2A-1-P-1M-CBS

35.2.4 Fluted Tube - High Load

Three 40 x 40 inch fluted tube high load panels were tested to failure in the panel combined load test fixture (Figure 33-4). After initial testing of the first panel and observation of large displacements under load, the panel was modified by inserting machined rod spacers (as described for the fluted tube low load panel, Section 35.2.3) and designated 2A-2-P-1M-CBS. The other two panels were manufactured with two different designs of tube stabilizer inserts. (See Reference 10)

The test results of panels 2A-2-P-1M-CBS, 2A-2P-2M-CBS and 2A-2-P-3M-CBS are presented in Tables 35-12, 35-13 and 35-14 respectively. Force/Stiffness plots for these tests are shown in Figures 35-111 through 35-132. Extrapolation of the test data to predict failure was made graphically. Photos of the failed panels and of the panels under various loads are shown in Figures 35-133 through 35-140. Comparison of the Moire' fringe lines in Figures 35-136 and 35-137 with Figure 35-104 indicates that little if any large displacements occur prior to failure. See Reference 8 for discussion of results.

Strain gage and deflection data obtained from the fluted tube high load panel tests are presented in Appendix A2. An index to the data presented is found on Page A43.

Table 35-12: PANEL 2A-2-P-1M-CBS FLUTED TUBE—HIGH LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N _X ONLY	238	188	143	35-111	
2	N _{XY} ONLY	32.1	22.5	19.3	35-112	
3	N _{XY} = 1/5 N _X	227	148	136	35-113	
4	N _{XY} = 1/3 N _X	200	130	110	35-114	
5	N _X , P = 1.0 PSI	238	152	129	35-115	
6	N _X , P = 2.0 PSI	230	156	126	35-116	
7	N _{XY} , P = 1.0 PSI	30.9	23.5	17.0	35-117	
8	N _{XY} , P = 2.0 PSI	29.8	23.2	16.4	35-118	
9	N _{XY} = 1/5 N _X , P = 1.0 PSI	227	168	136	35-119	35-133
10	N _{XY} = 1/5 N _X , P = 2.0 PSI	206	138	136 *	35-120	35-134

* FAILURE LOAD

Table 35-13: PANEL 2A-2-P-2M-CBS FLUTED TUBE – HIGH LOAD TEST RESULTS

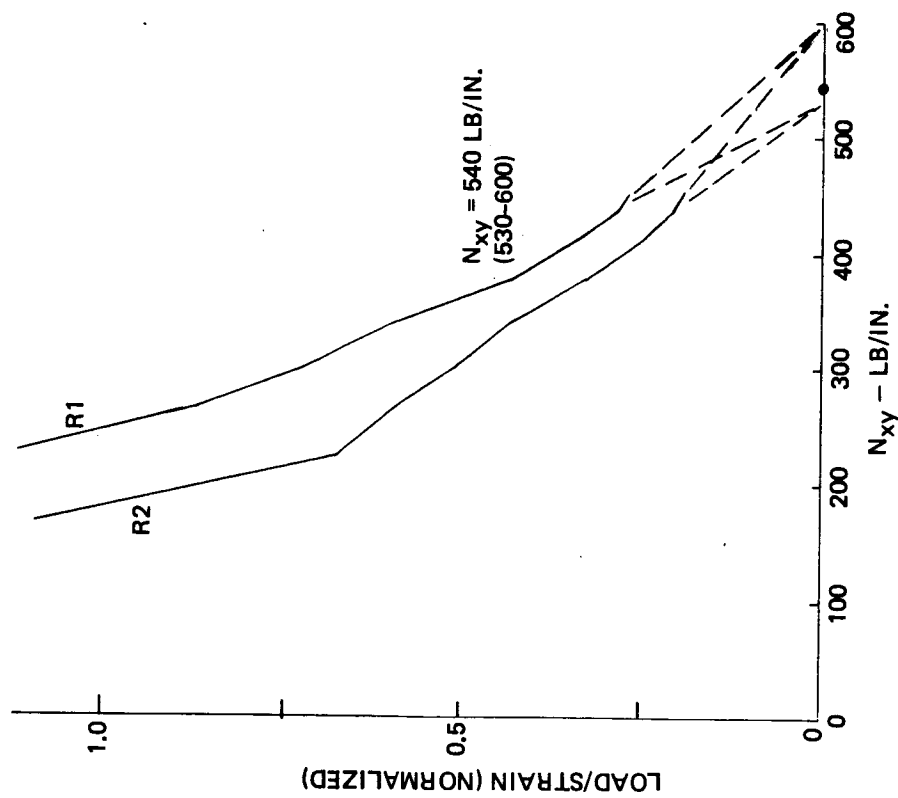
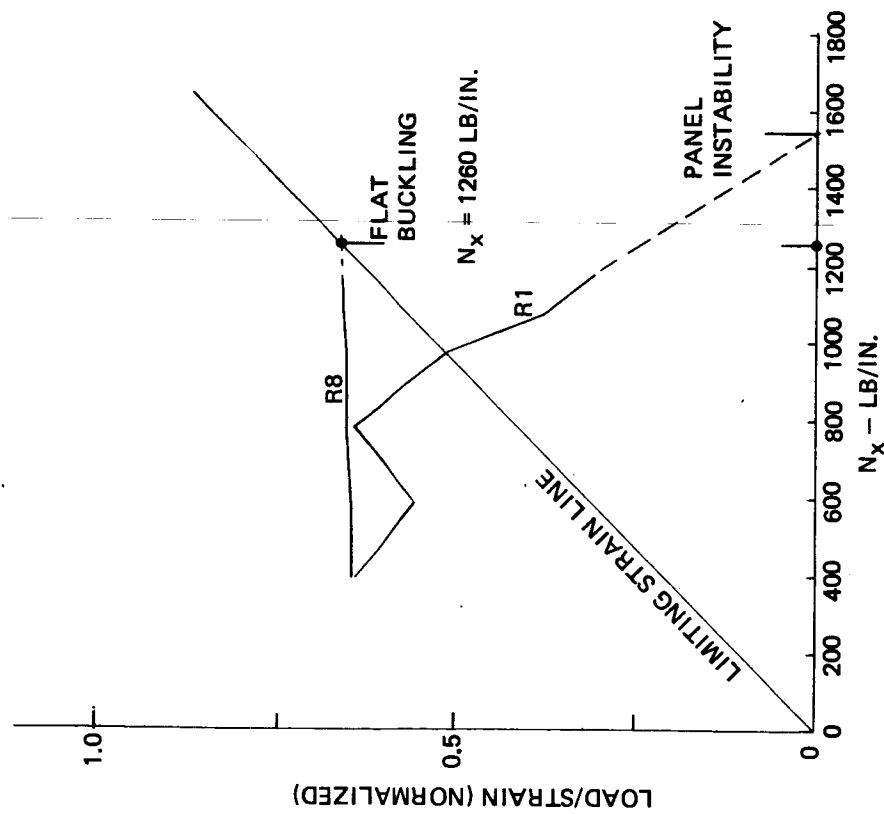
TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N _X ONLY	238		179		35-135 35-136
2	N _{XY} ONLY	32.1	28.1	30.5 *	35-121	35-137 THRU -140
3	N _{XY} = 1/5 N _X	227		113		
4	N _{XY} = 1/3 N _Y	200	188	120	35-122	
5	N _X , P = 1.0 PSI	238				
6	N _X , P = 2.0 PSI	230				
7	N _{XY} , P = 1.0 PSI	30.9				
8	N _{XY} , P = 2.0 PSI	29.8				
9	N _{XY} = 1/5 N _X , P = 1.0 PSI	227				
10	N _{XY} = 1/5 N _X , P = 2.0 PSI	206				

* FAILURE LOAD

Table 35-14: PANEL 2A-2-P-3M FLUTED TUBE – HIGH LOAD TEST RESULTS

TEST COND	LOAD	PREDICTED LOAD (KIPS)		MAX TEST LOAD (KIPS)	F/S PLOTS FIG. NO.	PHOTOS FIG. NO.
		ANAL	TEST (F/S)			
1	N _X ONLY	238	195	220 *	35-123	
2	N _{XY} ONLY	32.1	33.1	28.9	35-124	
3	N _{XY} = 1/5 N _X	227	184	158	35-125	
4	N _{XY} = 1/3 N _X	200	176	150	35-126	
5	N _X , P = 1.0 PSI	238	188	155	35-127	
6	N _X , P = 2.0 PSI	230	188	149	35-128	
7	N _{XY} , P = 1.0 PSI	30.9	29.0	21.8	35-129	
8	N _{XY} , P = 2.0 PSI	29.8	29.8	23.9	35-130	
9	N _{XY} = 1/5 N _X , P = 1.0 PSI	227	186	155	35-131	
10	N _{XY} = 1/5 N _X , P = 2.0 PSI	206	185	175	35-132	

* FAILURE LOAD



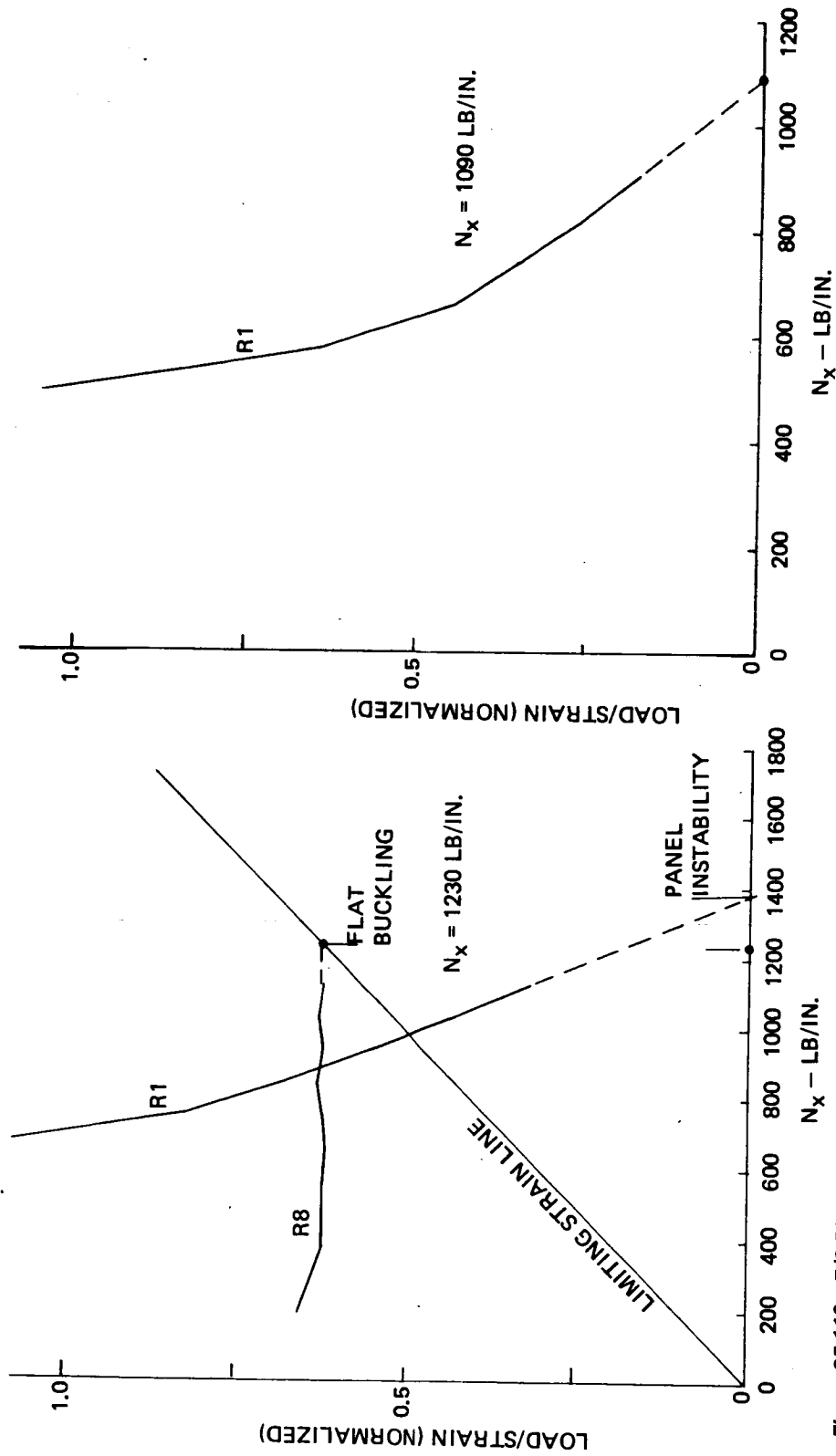


Figure 35-113: F/S PLOTS—PANEL 2A-2-P-1M—LOAD CONDITION 3 Figure 35-114: F/S PLOTS—PANEL 2A-2-P-1M—LOAD CONDITION 4

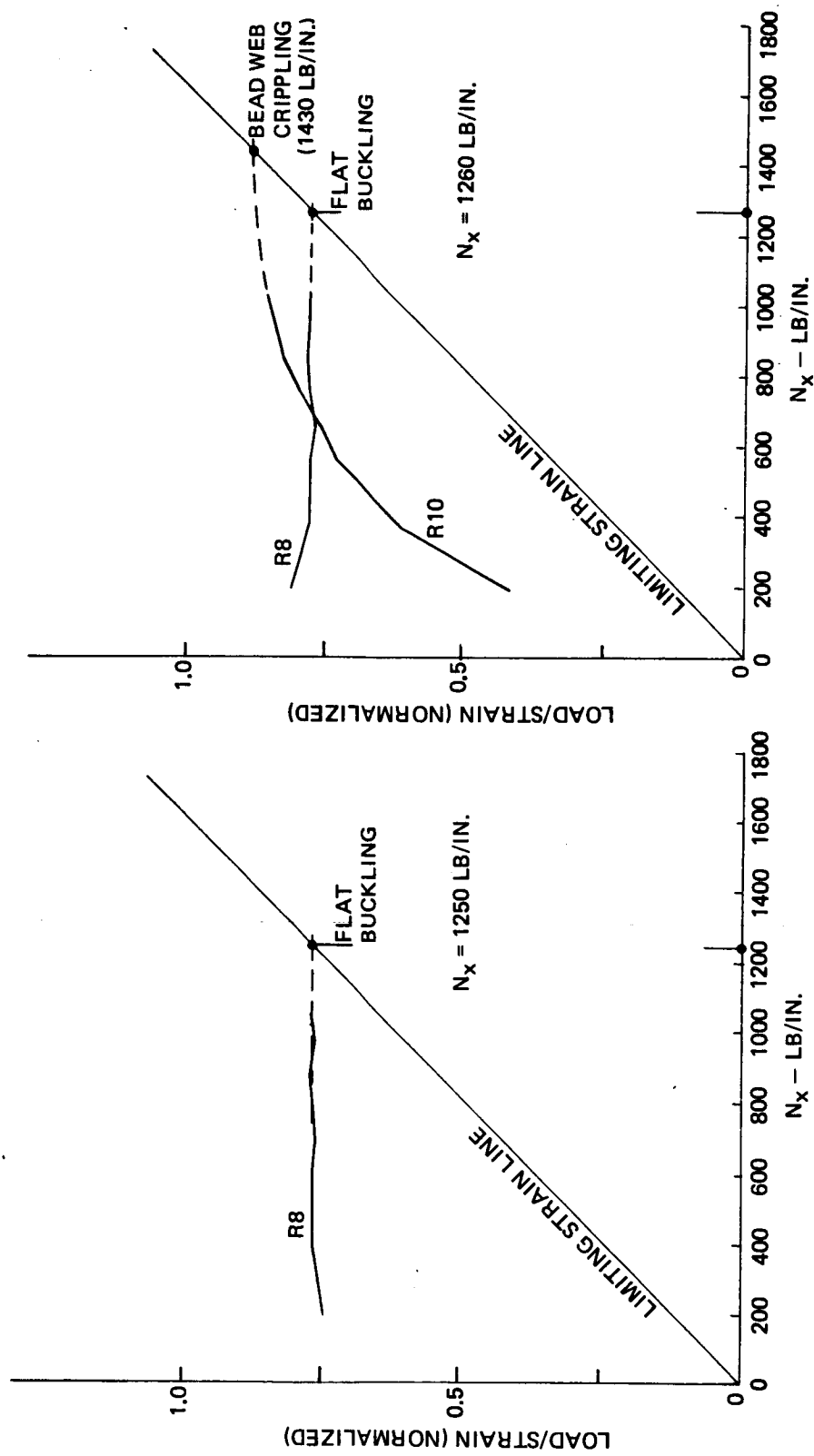


Figure 35-115: F/S PLOTS—PANEL 2A-2-P-1M—LOAD CONDITION 5 Figure 35-116: F/S PLOTS—PANEL 2A-2-P-1M—LOAD CONDITION 6

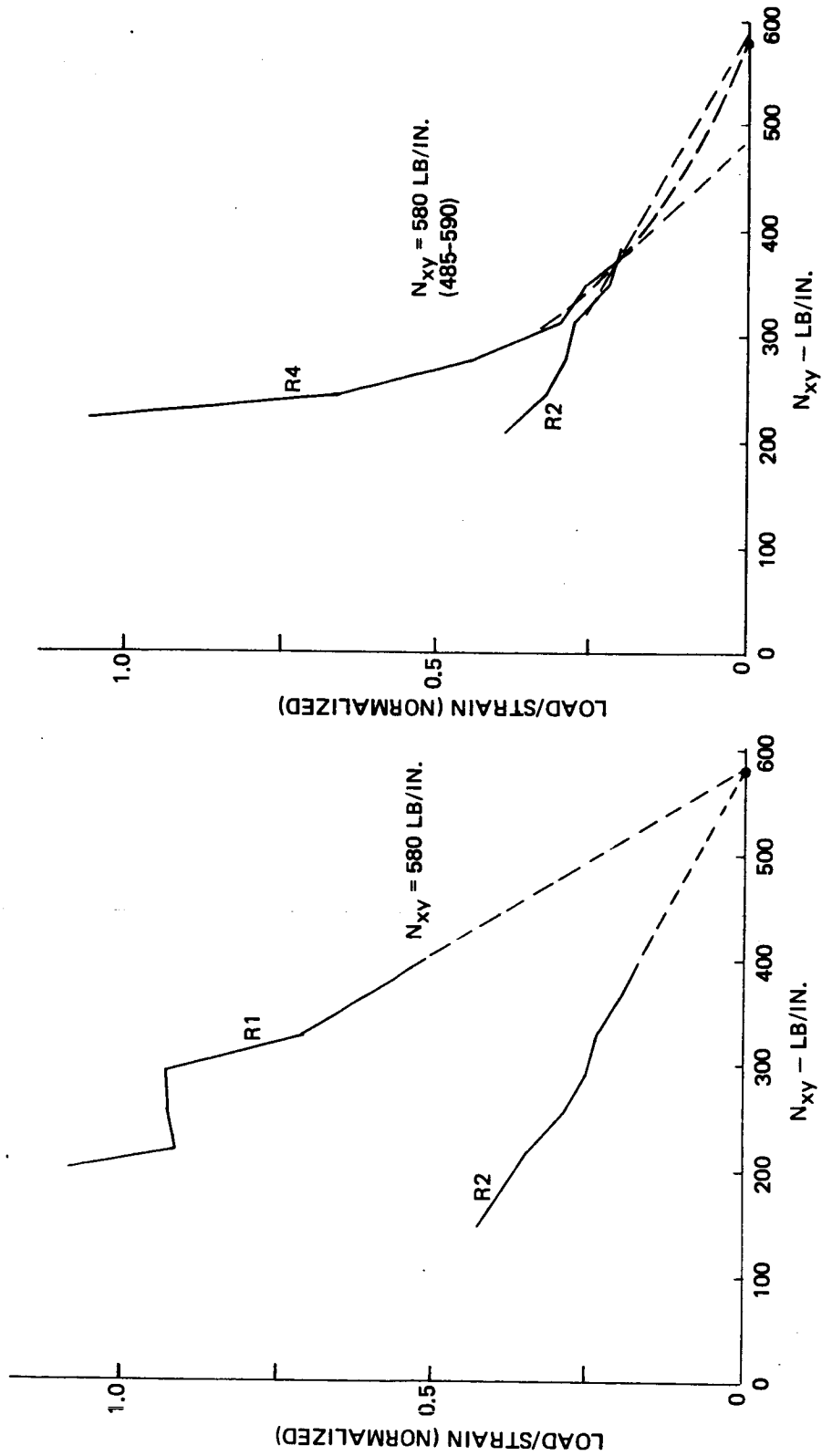


Figure 35-117: F/S PLOTS-PANEL 2A-2P-1M-LOAD CONDITION 7 Figure 35-118: F/S PLOTS-PANEL 2A-2P-1M-LOAD CONDITION 8

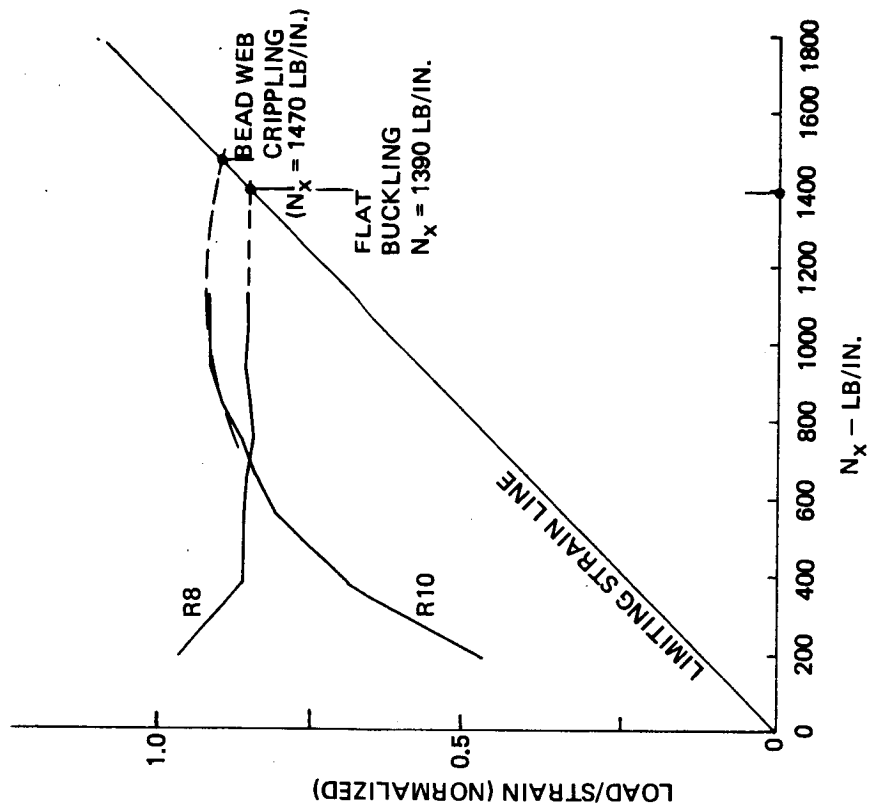
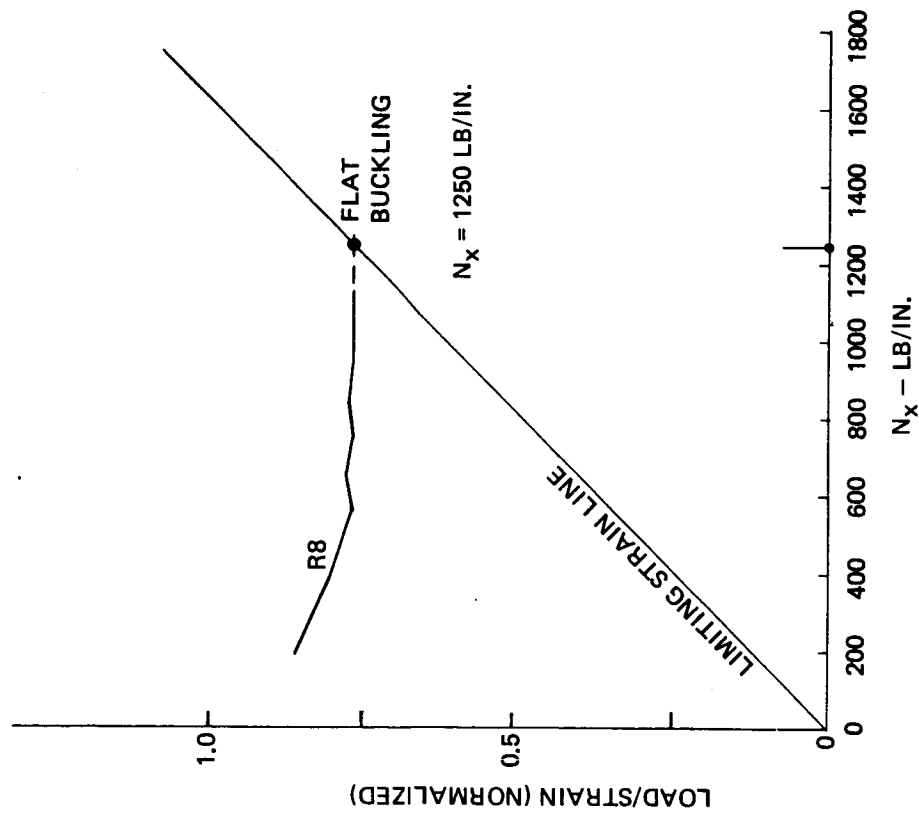


Figure 35-119: F/S PLOTS—PANEL 2A-2-P-1M—LOAD CONDITION 9 Figure 35-120: F/S PLOTS—PANEL 2A-2-P-1M—LOAD CONDITION 10

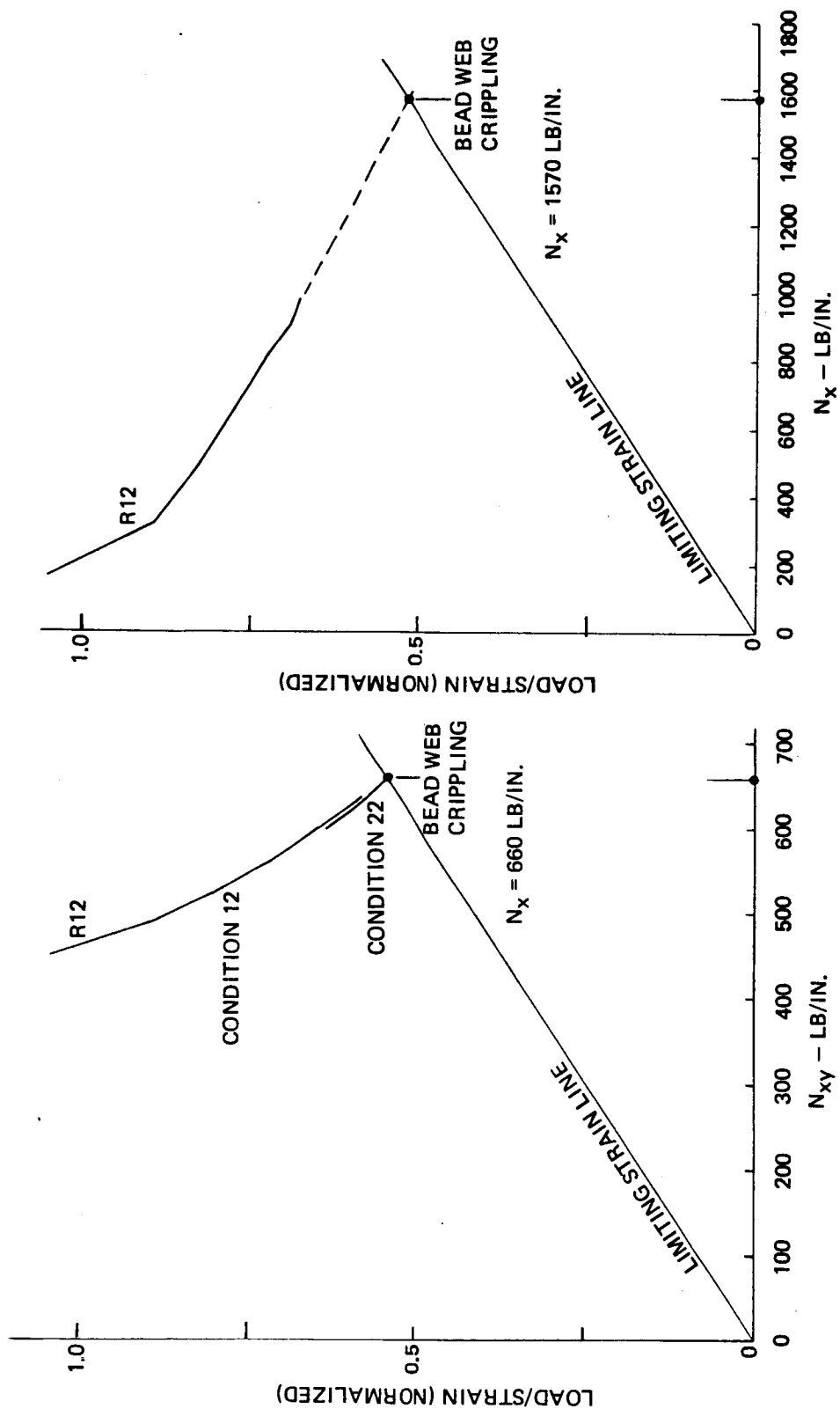


Figure 35-121: F/S PLOTS-PANEL 2A-2-P-2M - LOAD CONDITION 12, 22 Figure 35-122: F/S PLOTS-PANEL 2A-2-P-2M - LOAD CONDITION 4

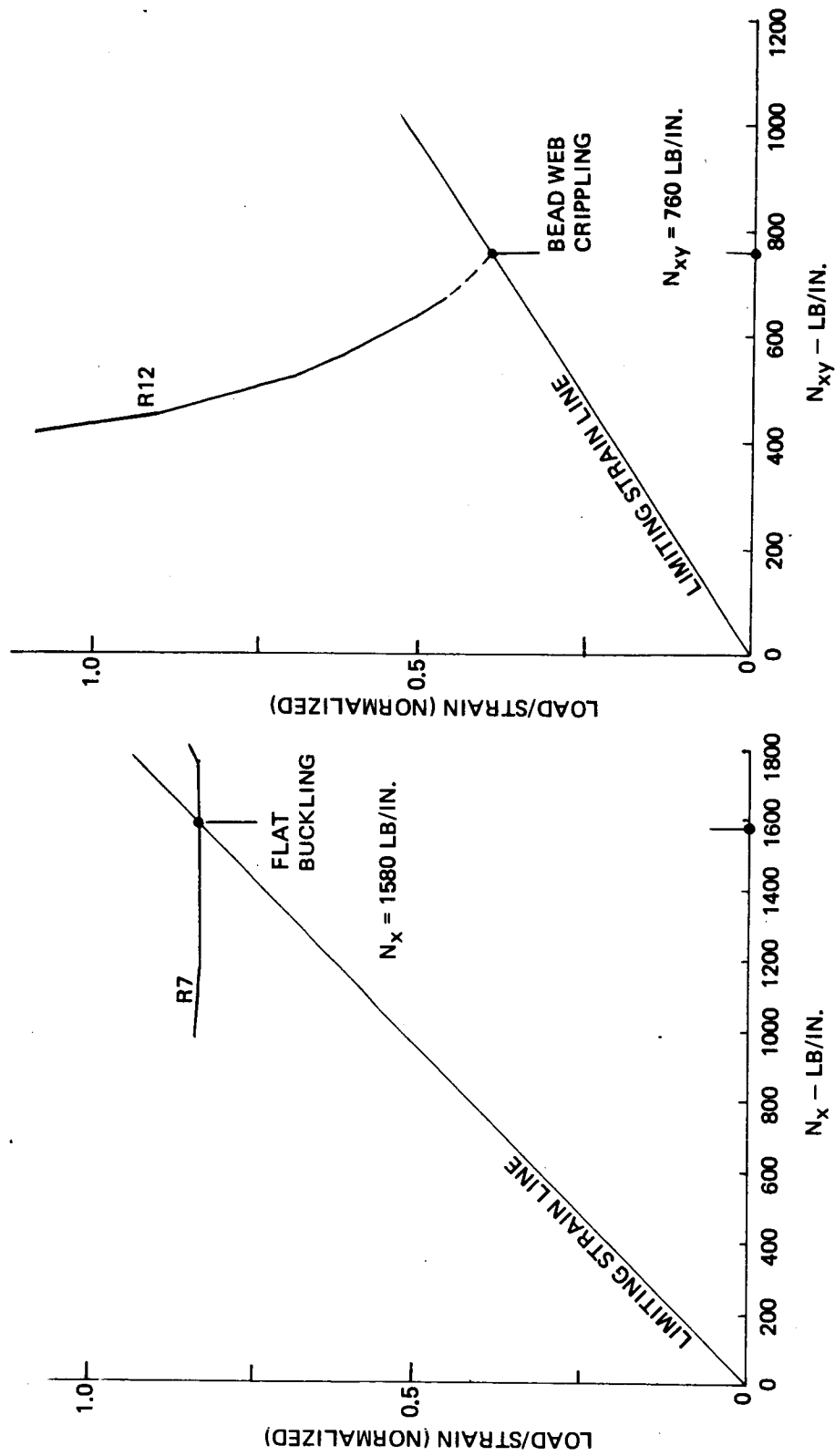


Figure 35-123: F/S PLOTS-PANEL 2A-2-P-3M-LOAD COND. 21. Figure 35-124: F/S PLOTS-PANEL 2A-2-P-3M - LOAD CONDITION 12

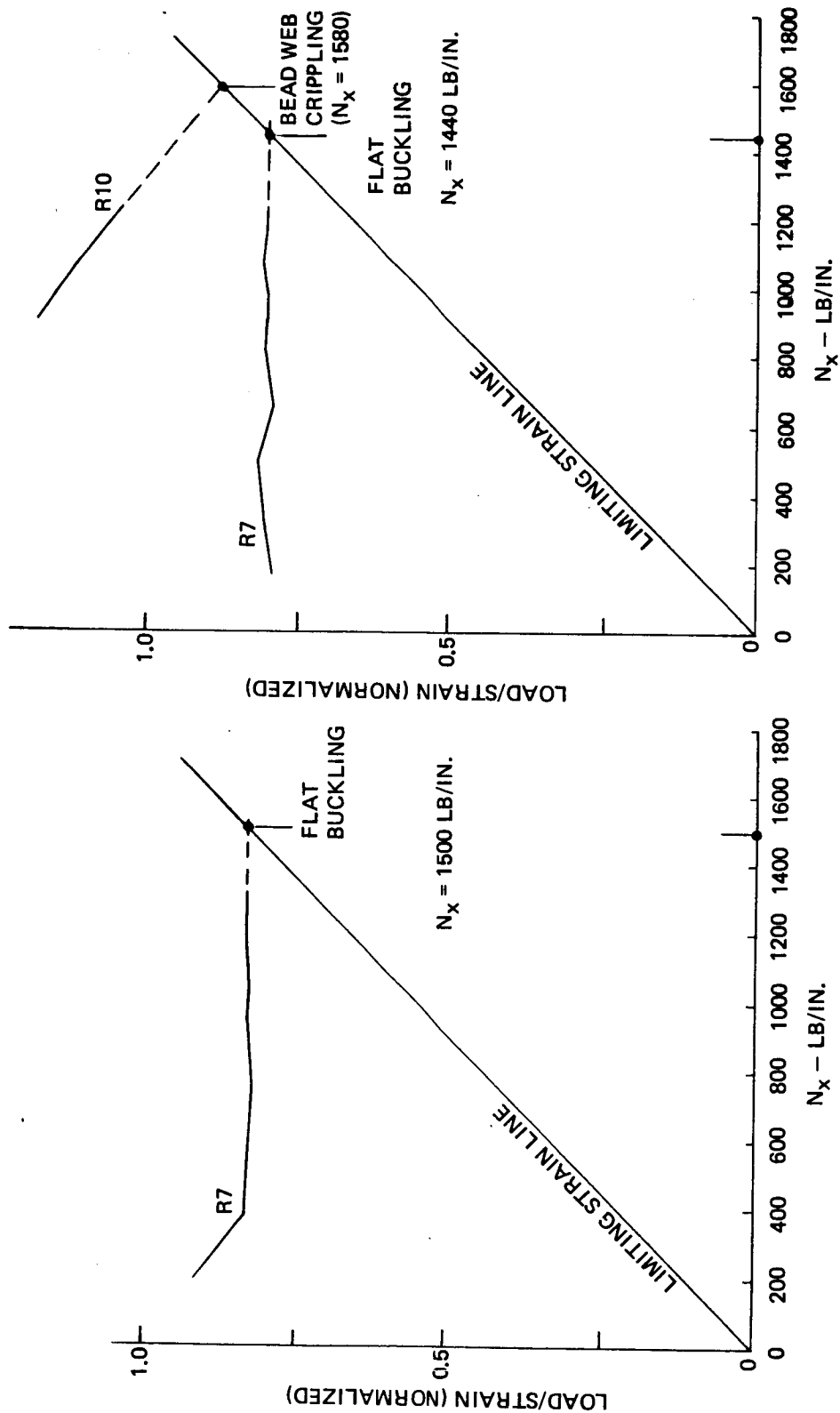


Figure 35-125: F/S PLOTS-PANEL 2A-2-P-3M-LOAD CONDITION 3 Figure 35-126: F/S PLOTS-PANEL 2A-2-P-3M-LOAD CONDITION 4

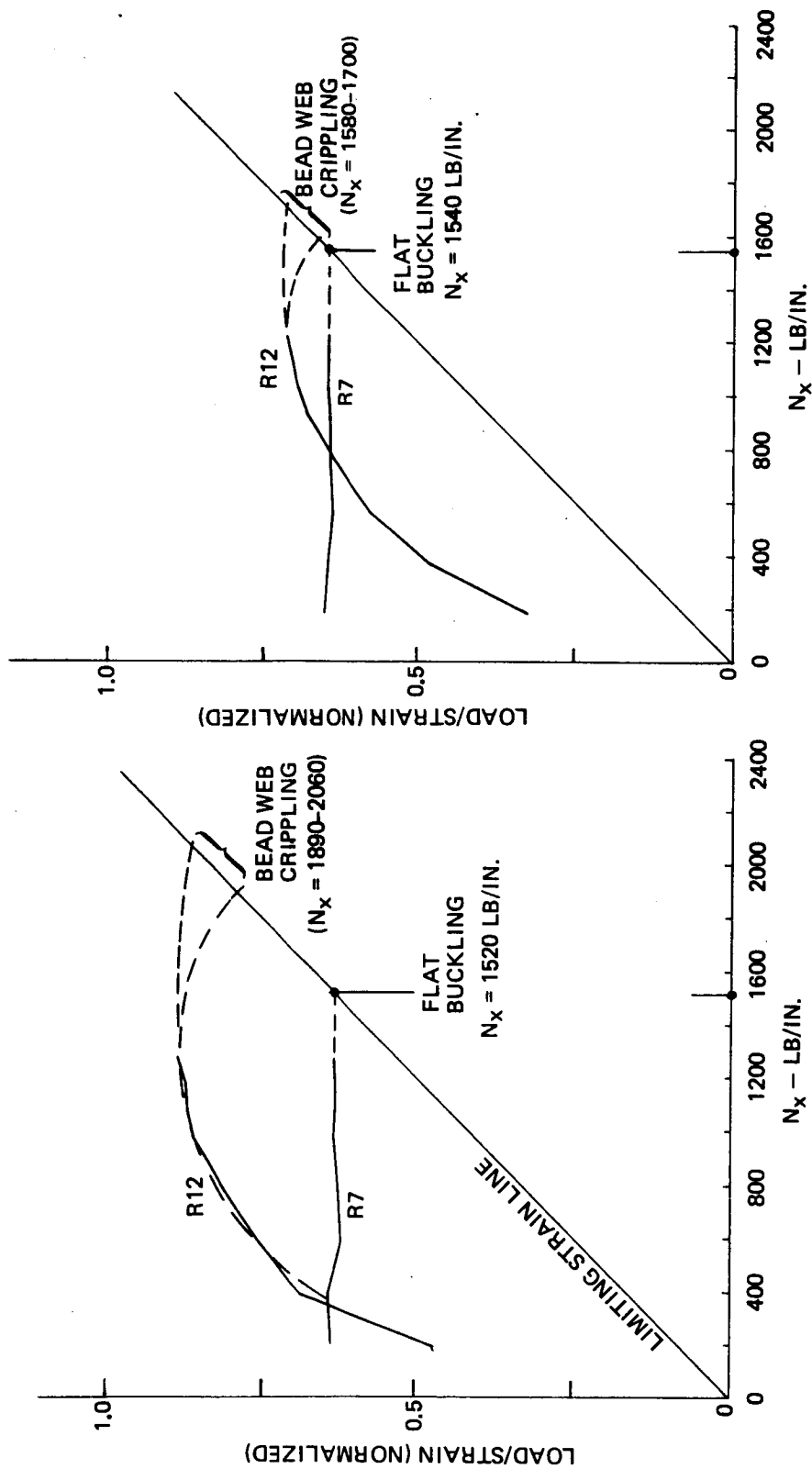


Figure 35-127: F/S PLOTS-PANEL 2A-2-P-3M-LOAD CONDITION 5 Figure 35-128: F/S PLOTS-PANEL 2A-2-P-3M - LOAD CONDITION 6

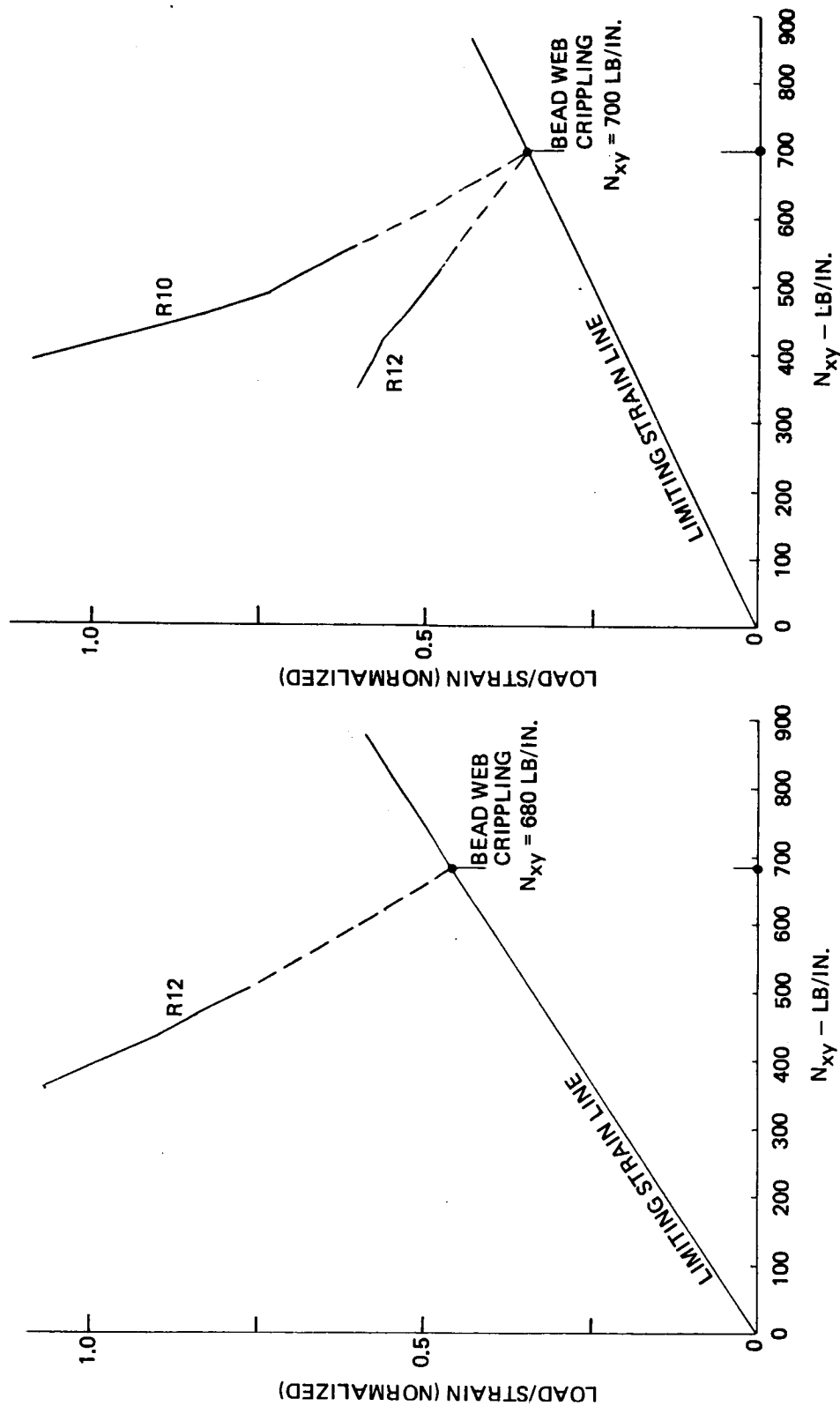


Figure 35-129: F/S PLOTS-PANEL 2A-2-P-3M-LOAD CONDITION 7 Figure 35-130: F/S PLOTS-PANEL 2A-2-P-3M - LOAD CONDITION 8

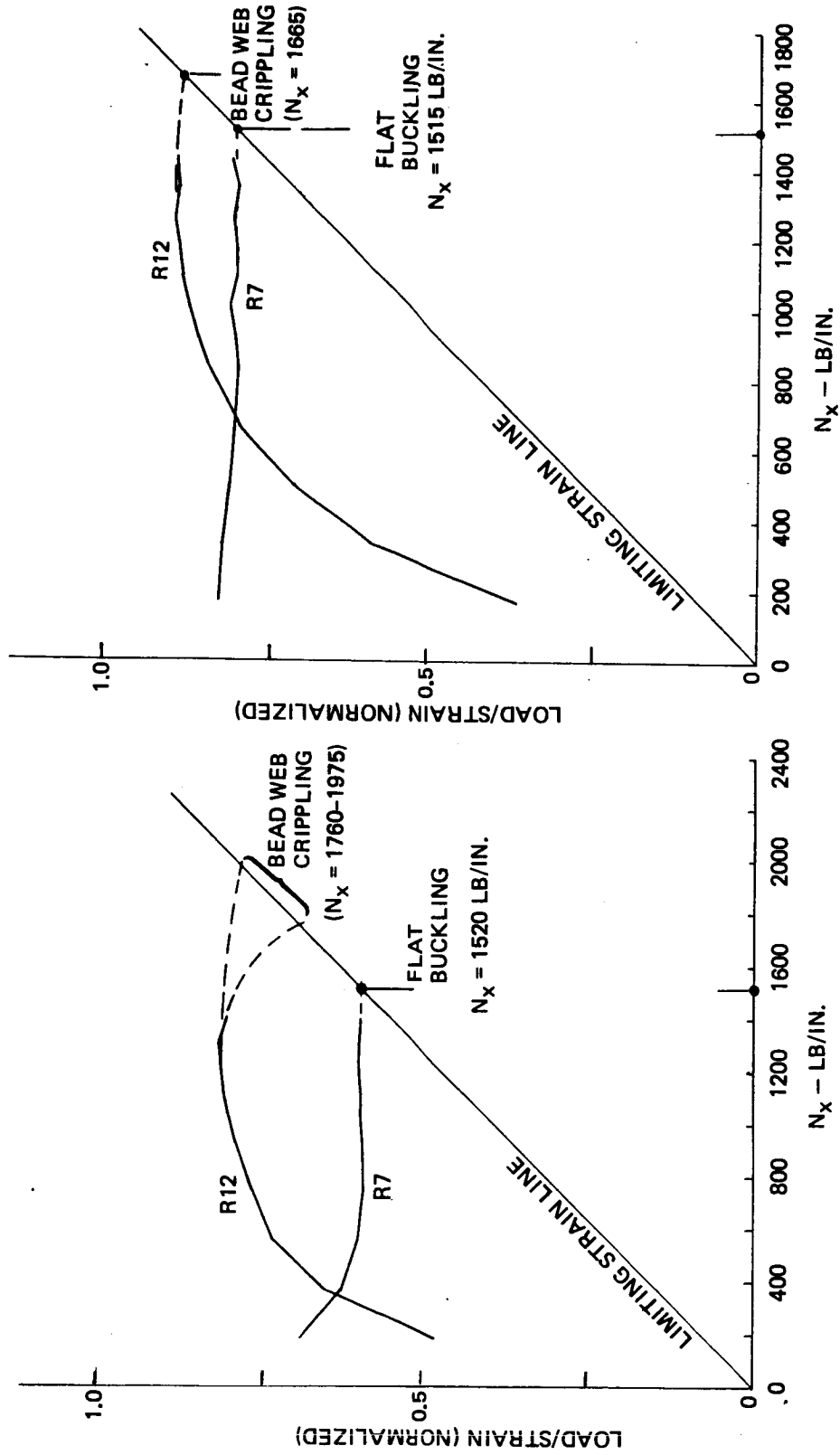


Figure 35-131: F/S PLOTS-PANEL 2A-2-P-3M-LOAD CONDITION 9 Figure 35-132: F/S PLOTS-PANEL 2A-2-P-3M-LOAD CONDITION 10

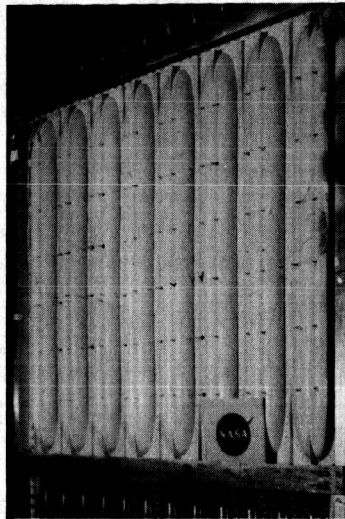
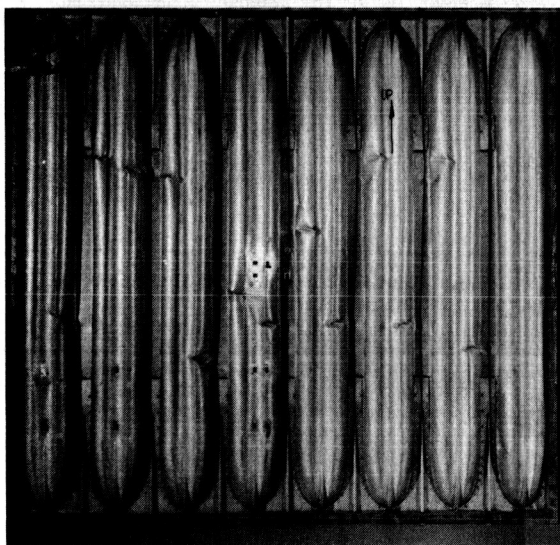
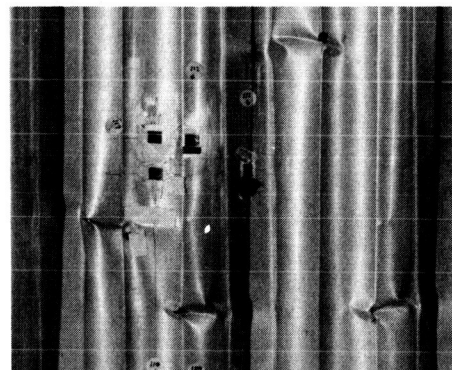


Figure 35-133 : FAILURE 2A-2-P-1M-CBS MOIRE' SIDE



(a)

*Figure 35-134 : FAILURE 2A-2-P-1M-CBS
PRESSURE SIDE*



(b)

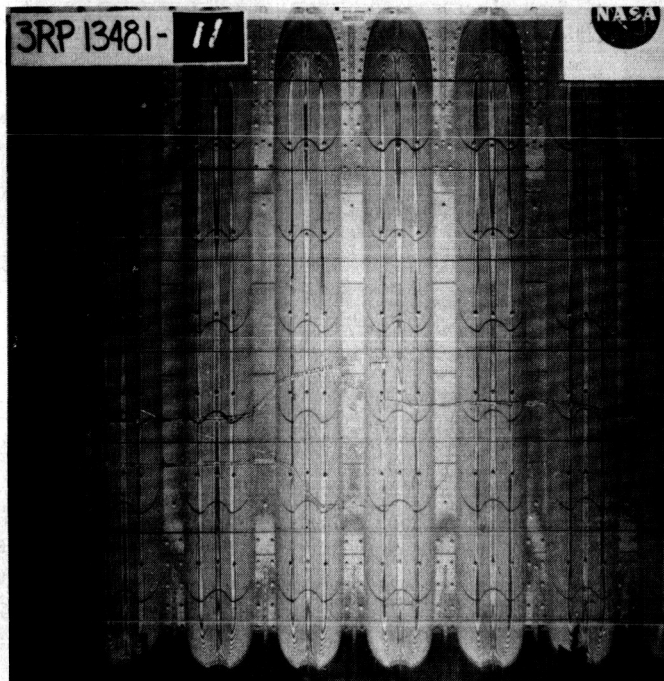


Figure 35-135: 2A-2-P-2M-C MOIRE' 0% LOAD COMPRESSION

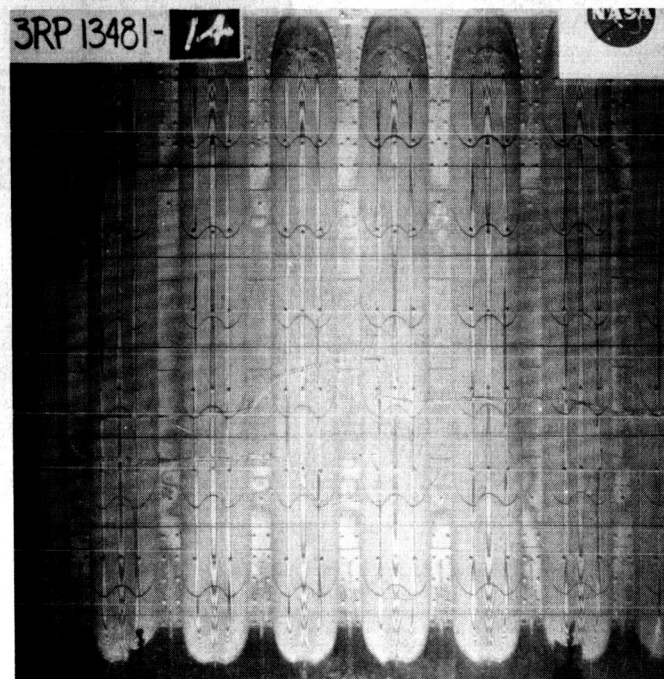


Figure 35-136: 2A-2-P-2M-C MOIRE' 75% LOAD COMPRESSION



Figure 35- 137 : 2A-2-P-2M-S MOIRE' 88% LOAD SHEAR

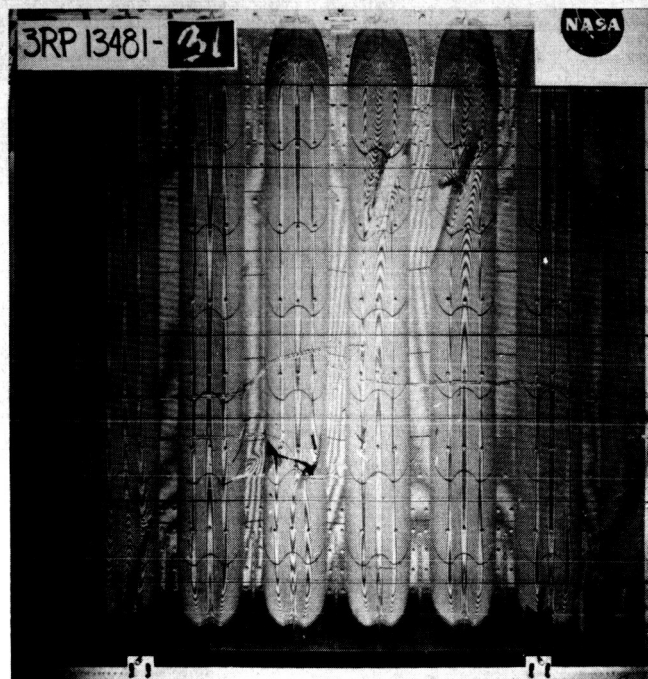


Figure 35-138: FAILURE 2A-2-P-2M-S MOIRE' SIDE

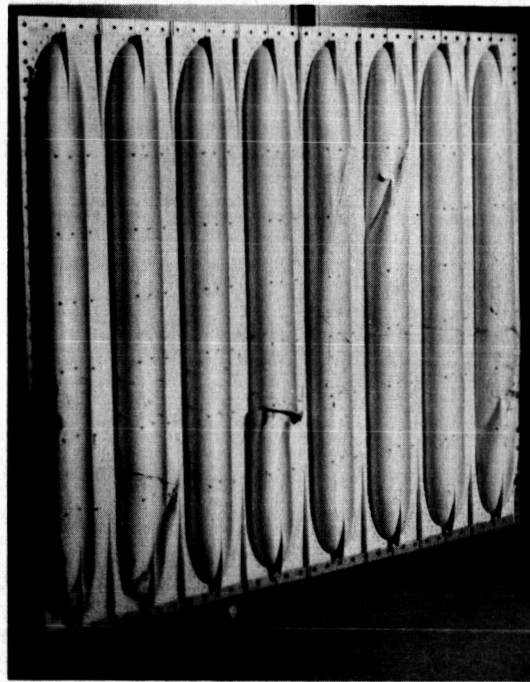


Figure 35-139 : FAILURE 2A-2-P-2M-S MOIRE' SIDE

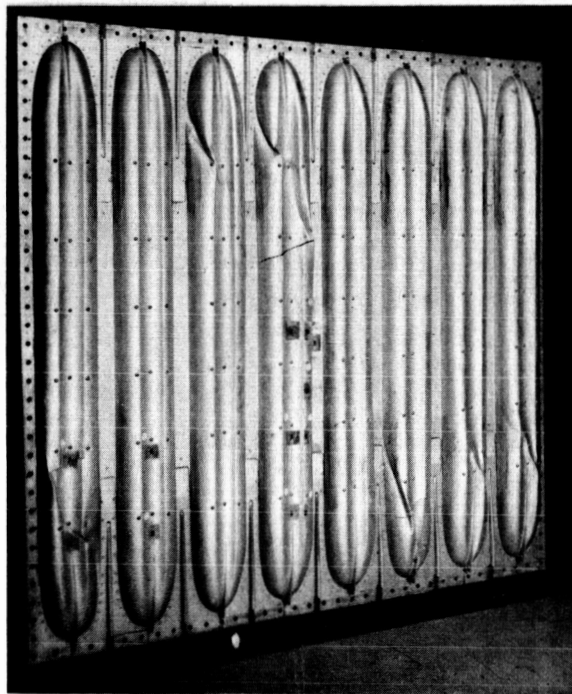


Figure 35-140: FAILURE 2A-2-P-2M-S PRESSURE SIDE

36.0 DISCUSSION OF TEST RESULTS

The test techniques used, including the methods and equipment developed especially for this program, provided test data from local buckling specimens and from 40 x 40 inch panel test specimens.

The local buckling combined load test fixture provided satisfactory test data when the specimens were strain gaged to determine the distribution and magnitudes of axial compression, bending, and shear stresses. It was found that the small size of the local buckling specimens made it impossible to eliminate the effect of the boundaries on the stress distributions. Therefore, local buckling failure stresses could not be determined reliably from average net applied loads, especially when testing under combined loads.

The specially designed edge restraint fixture used in testing local buckling compression specimens performed quite well in preventing edge participation in specimen failure. At the same time, unwanted axial restraint of the specimen was minimized.

The panel combined load test fixture was used to apply compression, shear and bending, either separately or in combination, to the test panels. Strain gage monitoring of the test panels showed that variations in stress distribution within the panels were minimal in most cases, and were never great enough to impair the validity of the test results. In future designs of this type of test fixture consideration should be given to using a vacuum system instead of a pressure system to apply panel bending loads. This would permit viewing of the most highly stressed surface of the tubular panels, and would tend to protect the Moire' grid glass from breakage when the panel fails. A possible disadvantage of the vacuum system might be difficulty in providing a high enough flow rate to make up for leakage.

The use of the Moire' grid technique was quite helpful in identifying the various deformational modes in both the local buckling specimens and the full size panels.

The Force/Stiffness nondestructive test technique was very successful in providing a large amount of test data from a limited number of test specimens. By providing test data for a number of different load conditions from each specimen it has made possible a much better definition of the entire combined load failure surface, and it has helped eliminate the effects of apparent data scatter caused by specimen to specimen differences. Thus, both the quantity and quality of the test data obtained in this program have been enhanced by the use of the Force/Stiffness technique.

Analysis of the test data presented in this paper is given in References 7 and 8.

REFERENCES

- (1) Shideler, John L. and Jackson, L. Robert, "Fuselage and Tank Structures for Hypersonic Aircraft," Conference on Hypersonic Aircraft Technology, Ames Research Center, Moffett Field, CA, NASA SP-148, May 1967.
- (2) Anderson, Melvin S., Robinson, James C., and Klich, George F., "Analysis of Wing Structures for Hypersonic Aircraft," Conference on Hypersonic Aircraft Technology, Ames Research Center, Moffett Field, CA, NASA SP-148, May 1967.
- (3) Plank, P.P., Sakata, I.F., Davis, G.W., and Richie, C.C., "Hypersonic Cruise Vehicle Wing Structure Evaluation," NASA CR-1568, May 1970.
- (4) Card, M.F., Davis, J.G., and Shideler, J.L., "Advanced Design Concepts for Shuttle Airframe Structures," NASA Space Shuttle Technology Conference, San Antonio, TX, April 12-14, 1972, NASA TM X-2570, July 1972.
- (5) Shideler, John L., Anderson, Melvin S., and Jackson, L. Robert, "Optimum Mass-Strength Analysis for Orthotropic Ring-Stiffened Cylinders Under Axial Compression," NASA TN D-6772, July 1972.
- (6) Musgrove, M.D., Greene, B.E., Shideler, J.L., and Bohon, H.L., "Advanced Beaded and Tubular Structural Panels," J. of Aircraft, Vol. II, No. 2, February 1974.
- (7) Musgrove, Max D., and Greene, Bruce E., "Advanced Beaded and Tubular Structural Panels," NASA CR-2514.
- (8) Greene, Bruce E., "Substantiation Data for Advanced Beaded and Tubular Structural Panels, Volume 1, Design and Analysis," NASA CR-132460.
- (9) Jones, Robert E., and Greene, Bruce E., "The Force/Stiffness Technique for Nondestructive Buckling Testing," AIAA Paper No. 74-351, presented at AIAA/ASME/SAE 15th SDM Conference, Las Vegas, Nevada, April 1974.

- (10) Musgrove, Max D. and Northrop, Russell F., "Substantiation Data for Advanced Beaded and Tubular Structural Panels, Volume 2, Fabrication," NASA CR-132482.

APPENDIX A1
Local Buckling Test Data

This appendix contains local buckling test data for our configurations which are identified in Figure A1-1. This figure is an index to the appendix. The tables and figures which follow Figure A1-1 present transducer locations and output for each test specimen. Strain gage output is given in divisions with appropriate calibration noted for each figure. These data are the basis for the results presented in this document and in References 7 and 8.

APPENDIX A1 LOCAL BUCKLING TEST DATA

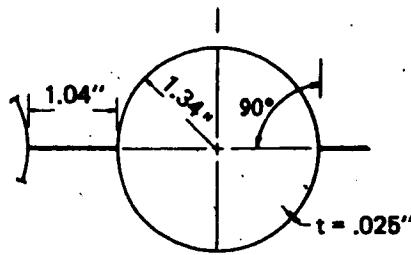
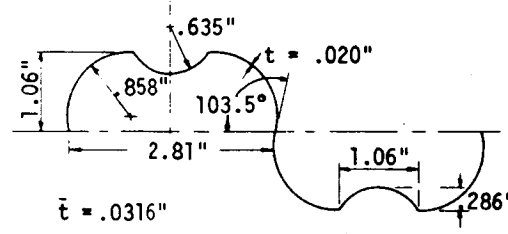
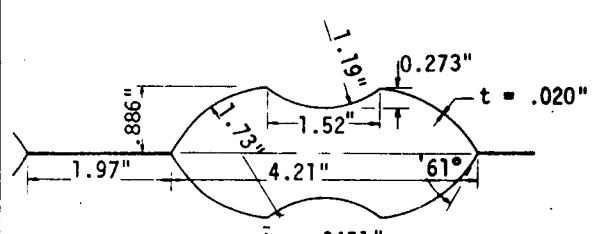
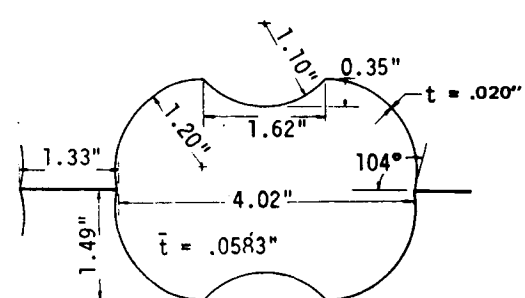
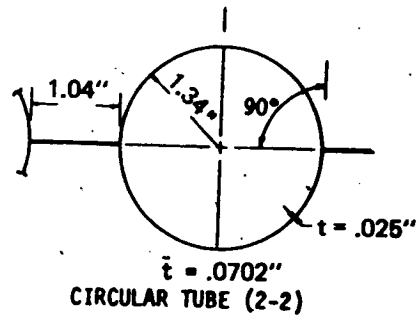
LOCAL BUCKLING TEST SPECIMENS	LOCAL BUCKLING SPECIMEN CONFIGURATION	TEST DATA SUMMARY LOCATED ON:
2-2-U-1-B 2-2-U-2-S 2-2-U-3-C 2-2-U-4-CS 2-2-U-5-CB	 <p>$\bar{t} = .0702''$ CIRCULAR TUBE (2-2)</p>	TABLE A1-1 PAGE A2
1A-2-U-1-S 1A-2-U-2-S 1A-2-U-3-CB 1A-2-U-4-CS 1A-2-U-5-CBS 1A-2-U-8-B 1A-2-U-9-C	 <p>$\bar{t} = .0316''$ FLUTED SINGLE SHEET (1A-1)</p>	TABLE A1-2 PAGE A9
2A-1-U-1-C 2A-1-U-2-C 2A-1-U-3-CB 2A-1-U-4-S 2A-1-U-5-BS 2A-1-U-6-CS 2A-1-U-7-CBS 2A-1-U-10-B	 <p>$\bar{t} = .0451''$ FLUTED TUBE (2A-1)</p>	TABLE A1-3 PAGE A22
2A-2-U-1-C 2A-2-U-2-C 2A-2-U-3-S 2A-2-U-4-CS 2A-2-U-6-CB 2A-2-U-7-BS 2A-2-U-9-CBS 2A-2-U-10-B	 <p>$\bar{t} = .0583''$ FLUTED TUBE (2A-2)</p>	TABLE A1-4 PAGE A31

Figure A1-1:



SPECIMEN NO.	FAILURE STRESS (KSI)	STRAIN GAGE		DEFLECTION	
		INSTLATION	DATA	INSTLATION	DATA
2-2-U-1-B	$F_B = 78.2$	FIGURE A1-2	FIGURE A1-2	FIGURE —	FIGURE —
2-2-U-2-S	$F_S = 37.5$	A1-3	A1-3	—	—
2-2-U-3-C	$F_C = 69.2$	A1-4	A1-4	—	—
2-2-U-4-CS	$F_C = 58.5$ $F_S = 17.8$	A1-5	A1-5	—	—
2-2-U-5-CB	$F_C = 21.8$ $F_B = 58.8$	A1-6	A1-6	A1-7	A1-7

Table A1-1:
SUMMARY
CIRCULAR TUBE-HIGH LOAD
LOCAL BUCKLING SPECIMENS

BENDING * →	APPLIED LOAD (POUNDS)							
	200	400	600	800	1000	1200	1400	1434
STRAIN GAGE (1)	-9.6	-21.2	-32.0	-43.2	-54.1	-65.9	-80.6	FAILURE
(2)	-8.7	-19.3	-29.9	-40.7	-52.0	-63.2	-77.9	
(3)	-9.7	-20.6	-31.0	-41.6	-52.5	-63.5	-77.8	
(4)	9.5	21.0	31.8	42.7	53.0	63.7	77.5	
(5)	8.5	18.6	28.7	39.3	50.0	60.6	74.8	
STRAIN GAGE (6)	9.7	20.6	30.9	41.4	51.5	61.8	75.0	

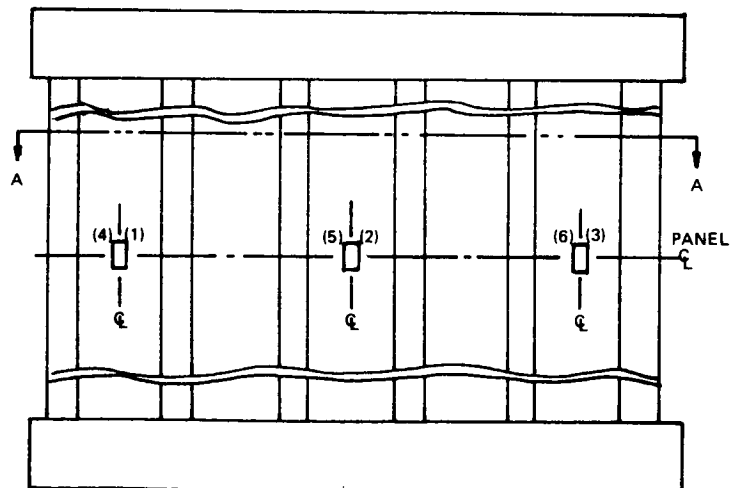
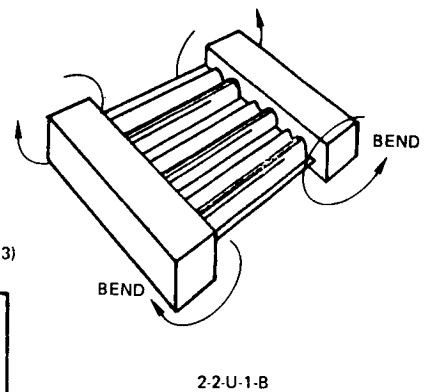
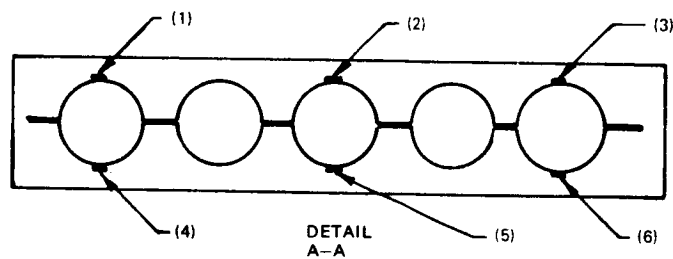
NOTE: STRAIN FACTOR = 100.4 $\mu\epsilon$ /DIVISION

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

STRAIN GAGE OUTPUT - SPEEDOMAX DIVISIONS

LOCAL BUCKLING PANEL 2-2-U-1-B

TUBULAR HIGH LOAD



LOWER SURFACE VIEW

STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2-2-U-1-B
TUBULAR HIGH LOAD

Figure A1- 2 : STRAIN GAGE DATA-PANEL 2-2-U - 1-B

SHEAR →	APPLIED LOAD (POUNDS)							
	6,000	10,000	20,000	24,000	28,000	32,000	34,000	34,700
STRAIN GAGE (1)	-2.3	-0.5	-1.3	-2.2	-3.0	-4.9	-5.5	FAILURE
(2)	0	-3.0	-6.9	-8.5	-9.8	-10.5	-11.0	
(3)	0.9	3.0	8.5	10.8	12.5	14.3	15.0	
(4)	0.4	0.2	0	-0.2	-0.5	-1.0	-1.2	
(5)	1.9	3.5	7.7	9.1	10.8	12.0	12.7	
(6)	0	0.6	2.2	2.6	2.7	3.2	3.0	
(7)	0.1	0.5	-1.1	-2.2	-3.2	-4.6	-5.1	
(8)	-1.9	-4.5	-10.0	-12.0	-14.5	-16.0	-17.0	
(9)	2.3	3.7	7.6	9.3	11.7	13.6	14.5	
(10)	1.3	0.8	1.6	2.3	3.5	5.4	7.0	
(11)	8.5	14.5	29.3	35.5	42.0	49.7	54.6	
(12)	7.9	13.0	27.0	33.0	40.0	48.5	55.6	
(13)	-0.7	-1.2	-1.4	-1.0	-0.7	0.6	1.3	
STRAIN GAGE (14)	-0.3	0	1.3	2.2	3.5	6.5	10.8	

STRAIN GAGE OUTPUT ~ SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2-2-U-2-S

NOTE: GAGES (1), (2), (3), (4), (5), (6), (7), (8) (SINGLE)
INDICATED STRAIN = 100.5 $\mu\epsilon$ /DIVISION

GAGES (9) THRU (14) (ROSETTE)
INDICATED STRAIN = 99.05 $\mu\epsilon$ /DIVISION

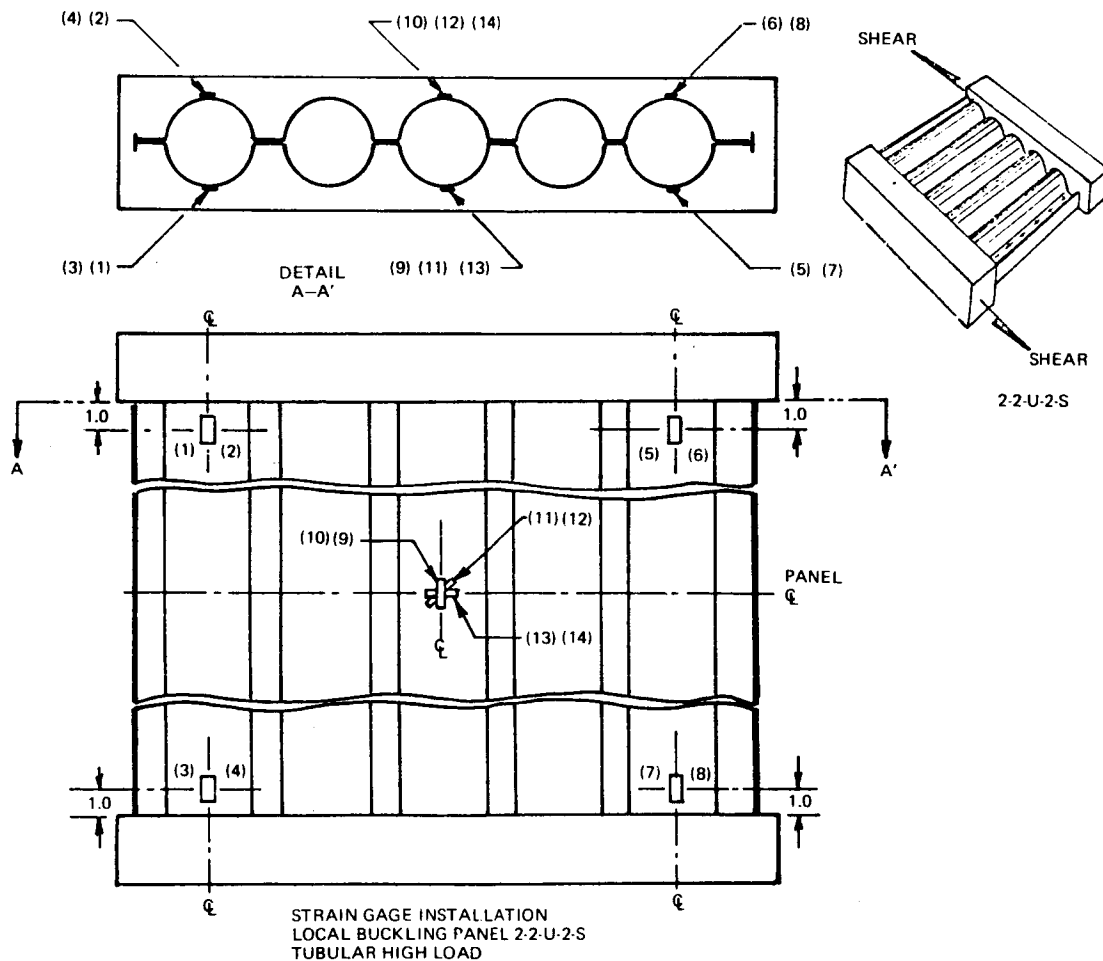
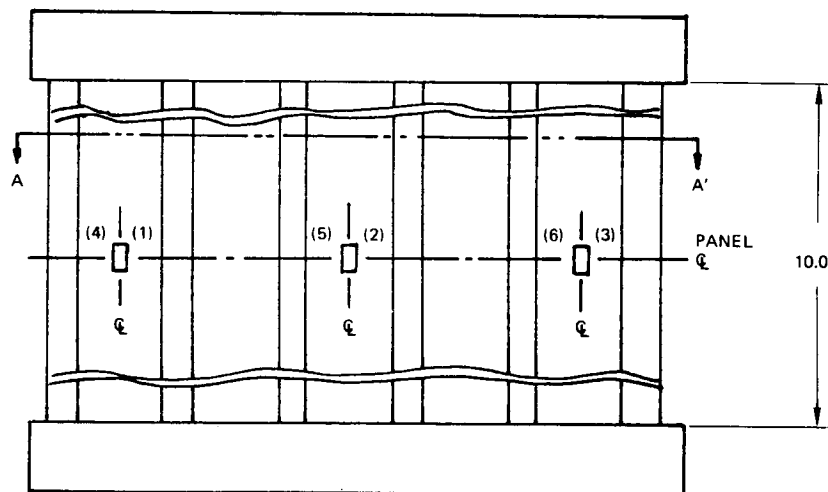
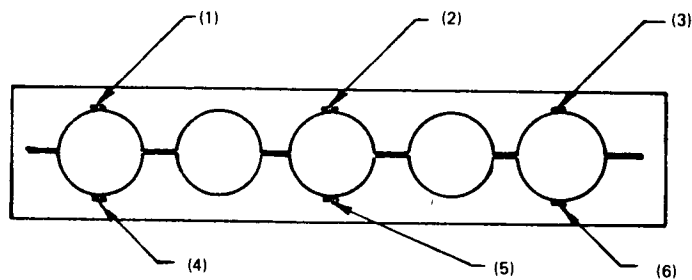


Figure A1- 3 : STRAIN GAGE DATA-PANEL 2-2-U-2-S

COMPRESSION →	APPLIED COMPRESSION LOAD (POUNDS)									
	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	92,900
STRAIN GAGE (1)	578	1191	1789	2391	2993	3587	4185	4771	5372	FAILURE
(2)	512	1197	1864	2532	3203	3867	4539	5235	6016	
(3)	652	1324	1974	2618	3260	3898	4530	5125	5792	
(4)	724	1269	1842	2420	2995	3563	4136	4718	5370	
(5)	654	1277	1925	2577	3230	3881	4542	5224	5977	
STRAIN GAGE (6)	780	1361	1966	2571	3174	3773	4378	5058	5784	

NOTE: ALL READINGS ARE NEGATIVE

STRAIN GAGE OUTPUT $\sim 1 \mu\epsilon/\text{COUNT}$
LOCAL BUCKLING PANEL 2-2-U-3-C



STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2-2-U-3-C
TUBULAR HIGH LOAD

Figure A1- 4 : STRAIN GAGE DATA-PANEL 2-2-U-3-C

	APPLIED LOAD (POUNDS)							
	9,140 2,040	17,910 4,170	26,960 5,980	35,980 7,970	44,970 9,950	54,020 12,000	62,950 14,010	71,950 16,000
COMPRESSION →								
SHEAR →								
STRAIN GAGE (1)	-0.8	-4.3	-7.8	-11.0	-14.4	-17.8	-21.2	-25.3
(2)	-7.2	-12.6	-17.0	-21.7	-26.3	-31.3	-36.0	-40.5
(3)	-0.1	-2.4	-4.5	-6.3	-7.9	-9.1	-10.1	-10.7
(4)	-5.4	-9.7	-14.6	-19.9	-25.4	-31.1	-37.5	-44.4
(5)	-3.0	-5.0	-8.0	-10.7	-13.1	-14.6	-15.5	-15.5
(6)	-3.8	-6.8	-10.2	-14.1	-18.3	-23.2	-29.2	-36.4
(7)	-0.7	-2.3	-4.8	-7.5	-10.5	-13.4	-16.2	-20.3
(8)	-8.3	-13.9	-19.0	-24.4	-30.0	-35.8	-41.4	-46.6
(9)	-0.1	-2.8	-5.2	-7.5	-9.5	-11.5	-13.5	-15.3
(10)	-6.1	-10.7	-15.0	-19.5	-24.2	-29.1	-34.0	-39.0
(11)	0.1	1.0	1.9	2.6	3.4	4.0	4.5	5.1
(12)	2.1	3.7	5.2	6.9	8.8	10.8	12.9	15.1
(13)	-0.8	-1.2	-1.8	-1.6	-1.5	-1.3	-0.9	-0.4
(14)	-2.0	-2.3	-2.5	-2.1	-1.8	-1.5	-1.0	0
(15)	-4.8	-10.1	-15.7	-20.3	-24.9	-28.9	-32.2	-35.6
(16)	-8.0	-15.1	-22.0	-28.5	-35.3	-41.9	-48.2	-54.0
(17)	1.8	3.8	5.7	7.4	9.1	10.6	11.9	13.0
(18)	2.8	5.4	7.9	10.6	13.6	16.8	20.4	24.9
(19)	1.6	3.0	3.4	4.0	4.5	5.4	6.4	7.4
(20)	0.6	1.9	2.5	3.3	4.0	5.0	6.1	8.1
(21)	-1.5	-3.0	-5.3	-7.5	-9.8	-11.3	-12.6	-13.9
(22)	-5.5	-9.4	-13.1	-17.0	-21.5	-25.8	-30.7	-35.6
(23)	0.9	1.6	2.8	4.0	5.2	6.1	7.0	7.6
(24)	2.0	3.5	5.0	6.8	8.9	11.3	14.0	17.4
(25)	3.1	5.3	7.1	9.3	11.6	13.9	16.1	18.2
STRAIN GAGE (26)	1.7	3.6	5.5	7.6	9.9	12.1	14.1	16.6

NOTE: GAGES (1), (2), (3), (4), (5), (6), (7), (8) (SINGLE)
STRAIN FACTOR = $100.5 \mu\epsilon/\text{DIVISION}$

GAGES (9) THRU (26) (ROSETTE)
STRAIN FACTOR = $99.1 \mu\epsilon/\text{DIVISION}$

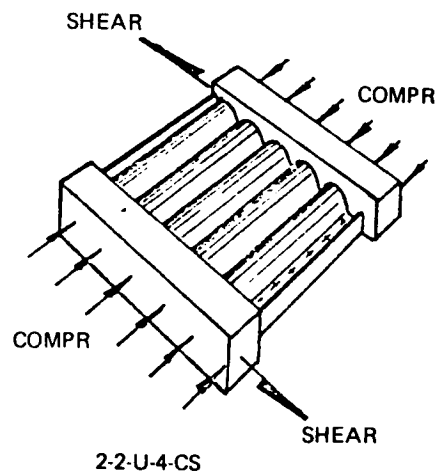
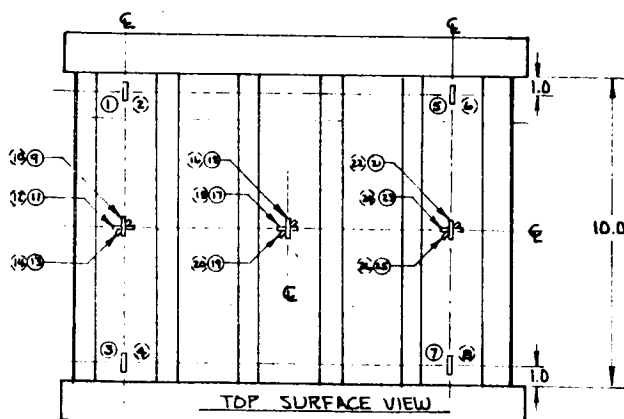


Figure A1- 5 : STRAIN GAGE DATA—PANEL 2-2-U-4-CS

COMPRESSION BENDING*	APPLIED LOAD (POUNDS)							
	4,060	7,980	11,950	16,000	19,980	24,010	26,070	
	85	157	238	316	397	478	518	
STRAIN GAGE (1)	-5.1	-10.8	-17.3	-24.5	-32.7	-41.7	-46.7	REDUCE LOAD TO ZERO; CHANGE COMPR/BEND RATIO
(2)	2.0	4.3	7.6	11.4	16.4	21.7	24.9	
(3)	-6.0	-12.3	-19.8	-27.7	-36.5	-45.6	-50.8	
(4)	1.0	2.0	4.0	7.0	11.2	16.0	18.6	
(5)	-5.6	-11.2	-18.0	-25.5	-33.6	-42.6	-47.5	
STRAIN GAGE (6)	2.5	4.9	8.3	12.3	17.0	22.2	25.0	

INDICATED STRAIN DATA—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2-2-U-5-CB

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

COMPRESSION BENDING*	APPLIED LOAD (POUNDS)							
	20,310	24,090	28,000	31,990	36,130	40,020	43,840	48,000
	396	404	407	404	404	404	444	477
STRAIN GAGE (1)	-33.1	-37.0	-40.5	-44.3	-48.6	-53.2	-63.0	FAILURE
(2)	16.2	16.8	17.0	17.5	18.0	19.0	25.0	
(3)	-37.0	-41.0	-45.0	-49.0	-53.5	-58.8	-69.7	
(4)	10.6	10.8	10.5	10.5	10.6	11.3	17.0	
(5)	-33.5	-37.4	-41.0	-44.8	-49.0	-53.6	-64.0	
STRAIN GAGE (6)	16.5	17.2	17.5	18.0	18.6	20.0	26.0	

INDICATED STRAIN DATA—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2-2-U-5-CB
TUBULAR HIGH LOAD

NOTE: INDICATED STRAIN = 100.5 $\mu\epsilon$ /DIVISION

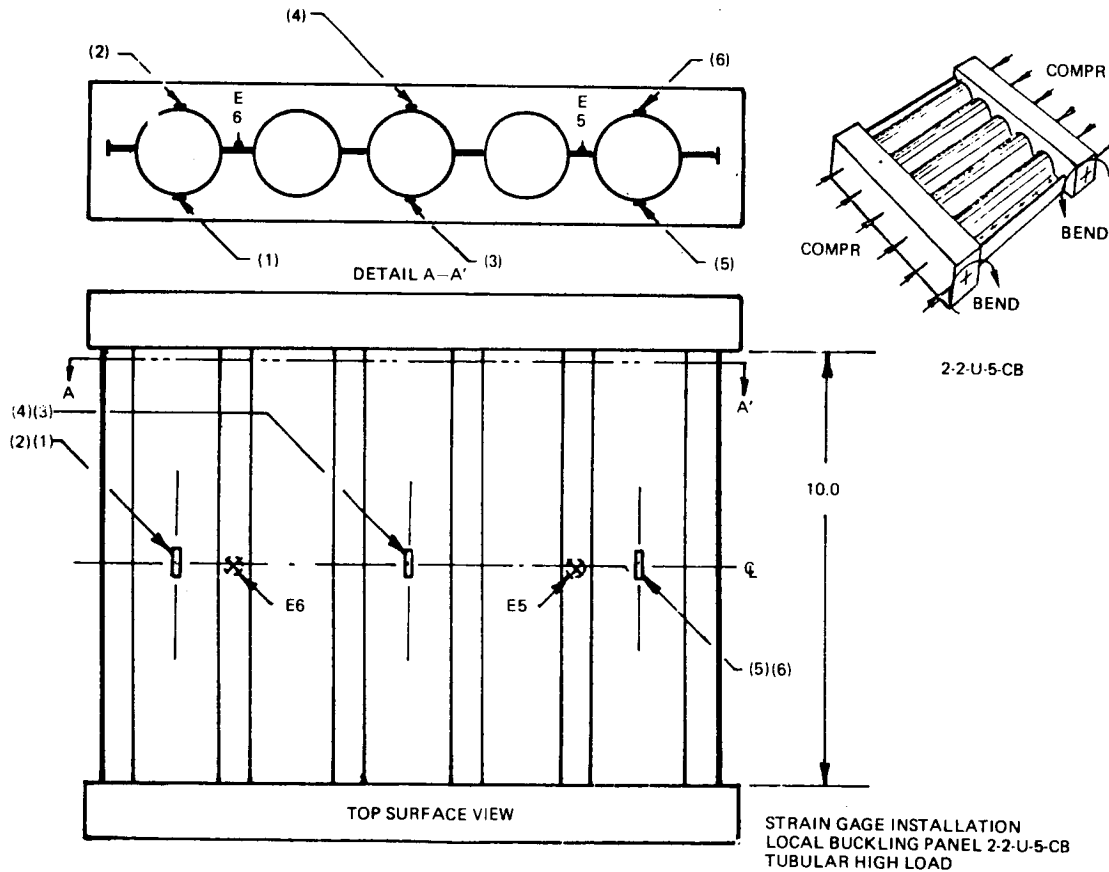
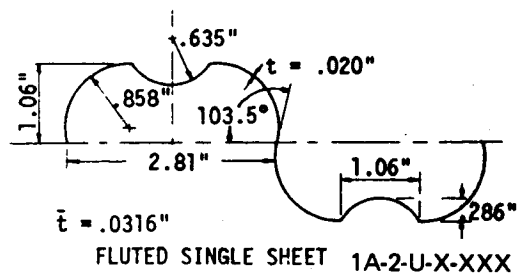








Figure A1- 6 : STRAIN GAGE DATA—PANEL 2-2-U-5-CB



SPECIMEN NO.	FAILURE STRESS (KSI)	STRAIN GAGE		DEFLECTION	
		INSTL.	DATA	INSTL.	DATA
1A-2-U-1-S	$F_S = 31.8$ 	FIGURE	FIGURE	FIGURE	FIGURE
1A-2-U-2-S	$F_S = 13.7$ 	—	—	—	—
1A-2-U-3-CB	NO FAILURE	A1-8	A1-9	A1-10	A1-10
1A-2-U-4-CS	$F_C = 19.2$ $F_S = 8.95$	A1-8	A1-11	—	—
1A-2-U-5-CS	$F_C = 19.3$ $F_S = 9.41$ 	A1-8	A1-12	—	—
1A-2-U-5-CS	$F_C = 8.37$ $F_S = 11.8$ 	A1-8	A1-13	—	—
1A-2-U-5-CBS	$F_C = 16.5$ $F_S = 7.96$ 	A1-8	A1-14	A1-15	A1-15
1A-2-U-5-S	$F_S = 14.0$ 	A1-8	A1-16	—	—
1A-2-U-5-BS	$F_S = 12.9$	A1-8	A1-17	—	—
1A-2-U-8-B	$F_B = 78.4$	A1-18	A1-18	—	—
1A-2-U-9-C	$F_C = 33.5$	A1-19	A1-19	—	—




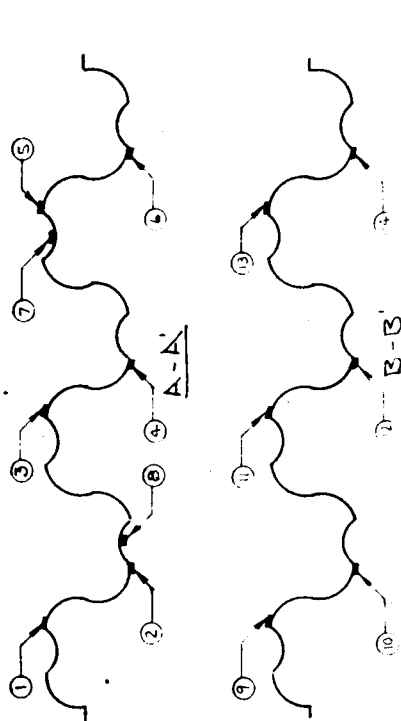
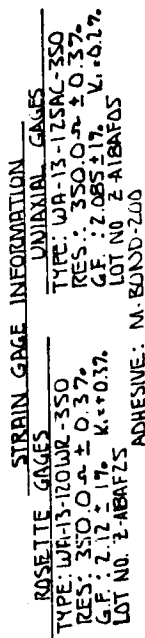
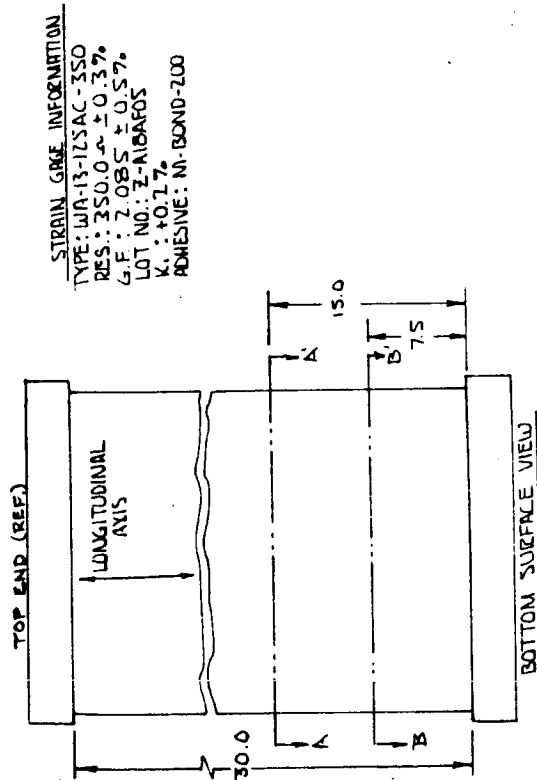
-  WEB CRIPPLING
 DIAGONAL BUCKLING
 F/S PROJECTED FAILURE FROM NON-DISTRUCT TEST

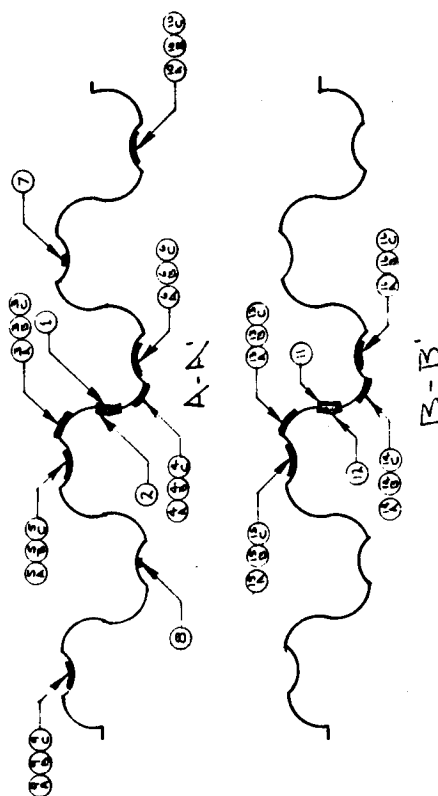
Table A1-2:
 SUMMARY
 FLUTED SINGLE SHEET LOW LOAD
 LOCAL BUCKLING SPECIMENS



NOTES

1. ALL GAGES ARE LOCATED ALONG THE LONGITUDINAL AXIS

SPECIMEN NO. 1A-2-U-3-CB



NOTE: (UNIAXIAL GAGE ORIENTATION)

1) GAGES 1, 2, 11 & 12 HAVE TRANSVERSE ORIENTATION

2) GAGES 7, 8 HAVE LONGITUDINAL ORIENTATION

Figure A1- 8 : STRAIN GAGE INSTALLATION-LOCAL BUCKLING SPECIMENS 1A-2-U-3-CB, 1A-2-U-4-CS, 1A-2-U-5-CBS

COMPRESSION → BENDING* →	APPLIED LOAD (POUNDS)							
	0	4,010	8,060	12,100	16,140			
	0	20	40	60	80			
STRAIN GAGE (1)	0	-5.0	-11.3	-19.5	-35.6	REDUCE LOAD TO ZERO ~ NO FAILURE		
STRAIN GAGE (2)	0	-2.4	-2.3	0.2	11.4			
STRAIN GAGE (3)	0	-5.9	-12.5	-21.3	-39.2			
STRAIN GAGE (4)	0	-3.0	-3.4	-1.0	10.5			
STRAIN GAGE (5)	0	-5.3	-11.7	-20.5	-38.3			
STRAIN GAGE (6)	0	-2.1	-2.2	0.2	10.8			
STRAIN GAGE (7)	0	-5.0	-10.1	-17.0	-26.2			
STRAIN GAGE (8)	0	-2.6	-3.5	-2.4	4.6			
STRAIN GAGE (9)	0	-5.1	-11.0	-19.2	-34.6			
STRAIN GAGE (10)	0	-1.8	-1.5	1.1	11.0			
STRAIN GAGE (11)	0	-6.0	-12.0	-20.1	-34.9			
STRAIN GAGE (12)	0	-2.8	-3.2	-1.0	8.6			
STRAIN GAGE (13)	0	-5.0	-11.0	-19.1	-34.0			
STRAIN GAGE (14)	0	-1.7	-1.8	0.6	10.1			

STRAIN GAGE DATA
COMPR/BENDING @ 200 TO 1 RATIO

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BEND LOAD (LB.) X 40 (IN.)

COMPRESSION → BENDING* →	APPLIED LOAD (POUNDS)							
	0	8,060	12,100	14,160	16,170	18,180		
	0	20	30	35	40	45		
STRAIN GAGE (1)	-0.5	-9.1	-14.5	-17.8	-22.5	-31.5	REDUCE LOAD TO ZERO ~ NO FAILURE	
STRAIN GAGE (2)	0.1	-4.5	-5.0	-4.8	-3.0	3.5		
STRAIN GAGE (3)	-0.5	-10.1	-16.0	-19.5	-24.3	-34.3		
STRAIN GAGE (4)	0.1	-5.5	-6.3	-6.0	-4.2	2.5		
STRAIN GAGE (5)	-0.5	-9.5	-15.0	-18.5	-23.5	-33.4		
STRAIN GAGE (6)	0.2	-4.4	-5.0	-4.8	-3.1	3.0		
STRAIN GAGE (7)	-0.5	-8.6	-13.5	-16.0	-19.5	-25.0		
STRAIN GAGE (8)	0.2	-5.0	-6.2	-6.4	-5.5	-1.5		
STRAIN GAGE (9)	-0.5	-9.0	-14.1	-17.4	-21.8	-30.5		
STRAIN GAGE (10)	0.2	-3.5	-4.0	-3.5	-2.0	3.9		
STRAIN GAGE (11)	-0.7	-10.0	-15.1	-18.4	-23.0	-31.0		
STRAIN GAGE (12)	0	-5.2	-6.0	-5.7	-4.2	1.5		
STRAIN GAGE (13)	-0.5	-8.8	-14.0	-17.3	-21.7	-30.1		
STRAIN GAGE (14)	0.2	-4.0	-4.3	-4.0	-2.5	3.1		

STRAIN GAGE DATA
COMPR/BENDING @ 400 TO 1 RATIO

NOTE: STRAIN FACTOR = 100.5 $\mu\epsilon$ /DIVISION

Figure A1- 9 : STRAIN GAGE DATA—PANEL 1A-2-U-3-CB

COMPRESSION BENDING*	APPLIED LOAD (POUNDS)				
	0	4,010	8,060	12,100	16,140
	0	20	40	60	80
EDI (1)	0	.096	.265	.577	1.325
EDI (2)	0	.150	.396	.852	2.000
EDI (3)	0	.126	.296	.600	1.351

EDI OUTPUT (INCHES)

LOCAL BUCKLING PANEL 1A-2-U-3-CB

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

COMPRESSION BENDING*					
	0	8,060	12,100	14,160	16,170
	0	20	40	35	40
EDI (1)	.033	.151	.284	.394	.566
EDI (2)	.043	.229	.421	.586	.846
EDI (3)	.032	.176	.312	.421	.595

EDI OUTPUT (INCHES)

LOCAL BUCKLING PANEL 1A-2-U-3-CB

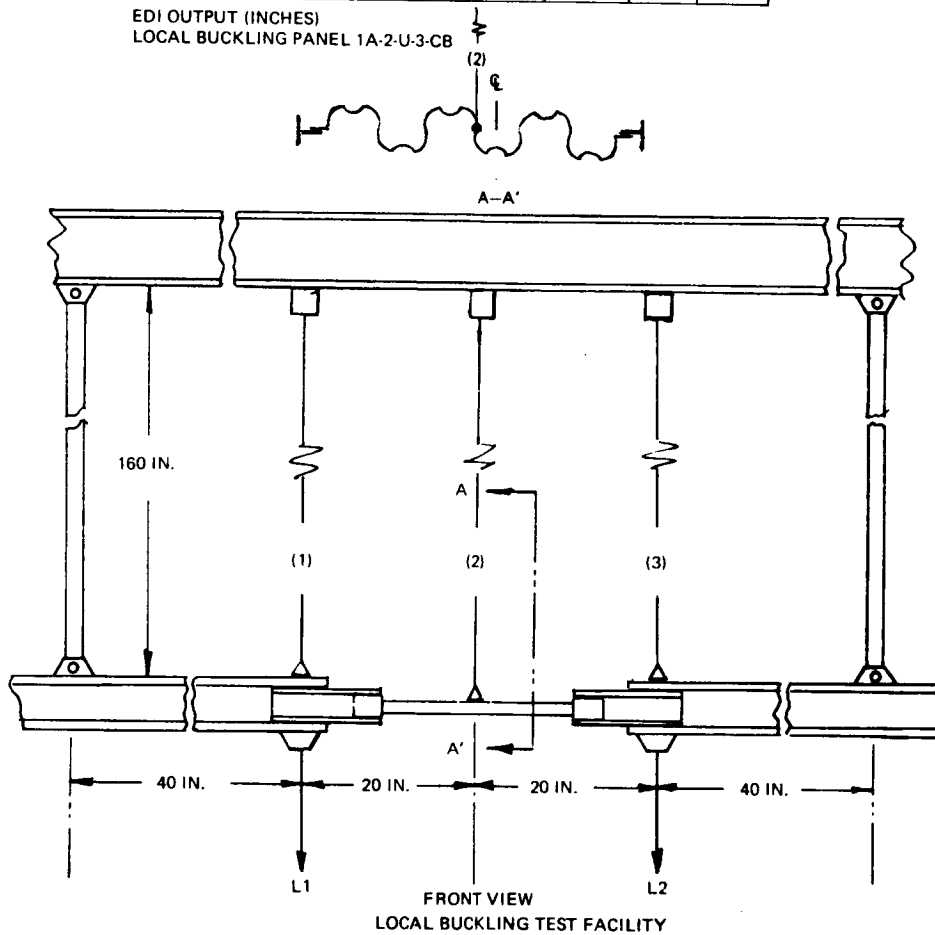


Figure A1-10 : DELECTION DATA-PANEL 1A-2-U-3-CB

COMPRESSION → SHEAR →	APPLIED LOAD (POUNDS)							
	0	7,000	14,000	17,620	18,490	19,370	21,130	21,880
	0	1,000	2,000	2,500	2,620	2,750	3,000	3,120
STRAIN GAGE (1)	0	2.6	5.4	7.3	8.0	9.1	16.8	37.9
STRAIN GAGE (2)	0	2.2	4.0	4.2	4.0	3.5	-2.6	-27.6
STRAIN GAGE (3A)	0	1.8	4.0	4.9	5.0	5.0	2.5	FAILURE
STRAIN GAGE (3B)	0	-6.5	-11.8	-14.6	-15.5	-16.5	-21.0	FAILURE
STRAIN GAGE (3C)	0	-6.6	-12.6	-16.1	-17.0	-18.3	-23.6	FAILURE
STRAIN GAGE (4A)	0	1.8	3.8	5.0	5.3	5.9	8.5	FAILURE
STRAIN GAGE (4B)	0	-6.6	-12.5	-15.0	-15.6	-16.0	-14.6	FAILURE
STRAIN GAGE (4C)	0	-6.0	-11.5	-13.9	-14.3	-14.5	-11.6	FAILURE
STRAIN GAGE (5A)	0	2.3	5.4	7.0	7.5	8.0	8.7	FAILURE
STRAIN GAGE (5B)	0	-6.6	-12.0	-14.6	-15.3	-15.9	-15.8	FAILURE
STRAIN GAGE (5C)	0	-6.6	-11.5	-13.9	-14.5	-15.0	-16.2	FAILURE
STRAIN GAGE (6A)	0	1.5	3.4	4.4	4.6	5.0	6.0	FAILURE
STRAIN GAGE (6B)	0	-6.7	-12.5	-15.5	-16.2	-17.0	-19.0	FAILURE
STRAIN GAGE (6C)	0	-6.1	-11.8	-14.5	-15.0	-15.6	-16.2	FAILURE
STRAIN GAGE (7)	0	-6.0	-11.5	-14.0	-14.6	-15.4	-17.5	FAILURE
STRAIN GAGE (8)	0	-6.0	-11.4	-14.1	-14.7	-15.4	-15.7	FAILURE
STRAIN GAGE (9A)	0	2.6	5.7	7.5	8.0	8.5	9.8	FAILURE
STRAIN GAGE (9B)	0	-5.1	-10.2	-12.9	-13.5	-14.1	-15.5	FAILURE
STRAIN GAGE (9C)	0	-4.6	-8.6	-10.5	-10.9	-11.2	-12.0	FAILURE
STRAIN GAGE (10A)	0	0.8	1.9	2.4	2.5	2.6	3.0	FAILURE
STRAIN GAGE (10B)	0	-5.0	-10.4	-12.9	-13.5	-14.0	-15.0	FAILURE
STRAIN GAGE (10C)	0	-4.8	-10.0	-12.9	-13.5	-14.1	-15.4	FAILURE
STRAIN GAGE (11)	0	1.6	2.8	3.0	2.9	2.5	-0.6	FAILURE
STRAIN GAGE (12)	0	2.5	5.0	6.8	7.3	8.1	12.5	FAILURE
STRAIN GAGE (13A)	0	2.3	5.0	6.6	7.0	7.5	10.0	FAILURE
STRAIN GAGE (13B)	0	-6.0	-10.5	-12.5	-13.0	-13.2	-12.1	FAILURE
STRAIN GAGE (13C)	0	-5.6	-10.2	-12.3	-12.7	-13.0	-12.2	FAILURE
STRAIN GAGE (14A)	0	1.5	3.5	4.5	4.7	5.0	5.0	FAILURE
STRAIN GAGE (14B)	0	-6.5	-12.5	-15.5	-16.2	-17.0	-19.3	FAILURE
STRAIN GAGE (14C)	0	-6.1	-12.0	-15.0	-16.0	-17.0	-20.5	FAILURE
STRAIN GAGE (15A)	0	2.5	5.3	6.8	7.1	7.5	8.7	FAILURE
STRAIN GAGE (15B)	0	-6.7	-12.2	-15.1	-16.0	-16.8	-20.2	FAILURE
STRAIN GAGE (15C)	0	-6.4	-12.0	-14.8	-15.4	-16.0	-17.1	FAILURE
STRAIN GAGE (16A)	0	1.9	4.0	5.2	5.5	6.0	8.2	FAILURE
STRAIN GAGE (16B)	0	-6.2	-12.0	-15.0	-15.6	-16.5	-18.3	FAILURE
STRAIN GAGE (16C)	0	-6.1	-12.0	-14.6	-15.1	-15.7	-15.1	FAILURE

NOTE: GAGES (1), (2), (7), (8), (11), (12) (SINGLE)

STRAIN FACTOR = 100.5 $\mu\epsilon$ /DIVISION

GAGES (3), (4), (5), (6), (9), (10), (13), (14), (15), (16) (ROSETTE)

STRAIN FACTOR = 99.1 $\mu\epsilon$ /DIVISION

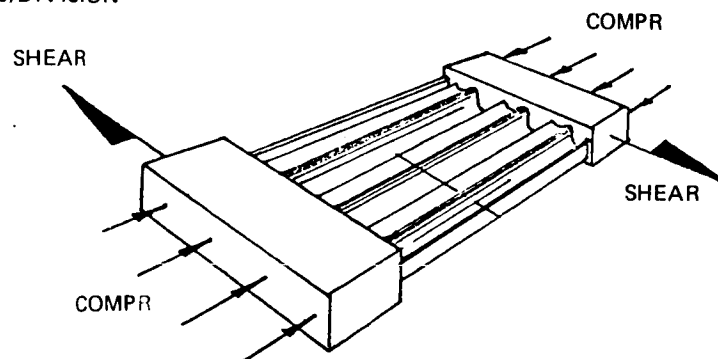


Figure A1-11: STRAIN GAGE DATA-PANEL 1A-2-U-4-CS

		APPLIED LOAD (POUNDS)						
COMPRESSION →	0	6,880	13,990	15,740	17,500	18,410	(7)	
SHEAR →	0	1,000	2,000	2,250	2,500	2,620	RATIO (1)	
STRAIN GAGE (1)	0	1.8	2.5	2.2	1.5	0.5	REDUCE LOAD TO ZERO NO FAILURE	
(2)	0	2.2	5.3	6.5	8.2	9.5		
(3A)	0	2.0	4.4	5.2	6.1	6.7		
(3B)	0	-6.0	-10.4	-11.3	-11.9	-12.0		
(3C)	0	-5.9	-10.8	-11.9	-12.6	-13.0		
(4A)	0	1.7	2.8	2.7	2.5	2.0		
(4B)	0	-6.3	-13.2	-15.1	-17.5	-18.8		
(4C)	0	-5.9	-12.5	-14.5	-17.0	-18.5		
(5A)	0	2.8	6.0	7.0	8.0	8.5		
(5B)	0	-6.1	-11.6	-13.0	-14.5	-15.5		
(5C)	0	-5.8	-10.5	-11.5	-12.5	-13.0		
(6A)	0	1.5	3.0	3.4	3.6	3.8		
(6B)	0	-5.9	-11.6	-13.0	-14.2	-14.9		
(6C)	0	-6.4	-12.7	-14.4	-15.9	-16.6		
(7)	0	-6.1	-11.5	-12.6	-14.7	-14.4		
(8)	0	-5.7	-11.4	-12.8	-14.1	-14.9		
(9A)	0	3.4	6.6	7.5	8.5	8.9		
(9B)	0	-5.0	-9.8	-11.0	-12.1	-12.6		
(9C)	0	-5.1	-9.5	-10.5	-11.4	-11.7		
(10A)	0	0.6	1.5	1.6	1.8	2.0		
(10B)	0	-4.9	-10.2	-11.6	-12.9	-13.5		
(10C)	0	-4.5	-10.0	-11.3	-12.7	-13.4		
(11)	0	1.5	2.7	3.0	3.2	3.4		
(12)	0	2.0	4.3	4.9	5.4	5.5		
(13A)	0	2.0	4.1	4.6	5.1	5.2		
(13B)	0	-5.4	-10.0	-11.1	-12.3	-13.0		
(13C)	0	-5.5	-10.4	-11.6	-12.7	-13.3		
(14A)	0	1.9	3.5	3.9	4.3	4.4		
(14B)	0	-6.1	-12.6	-14.3	-16.0	-16.8		
(14C)	0	-6.1	-12.4	-13.7	-15.1	-16.0		
(15A)	0	2.4	5.0	5.8	6.5	7.0		
(15B)	0	-5.8	-10.5	-11.6	-12.5	-12.8		
(15C)	0	-6.0	-11.1	-12.4	-13.5	-14.0		
(16A)	0	1.5	2.5	2.7	2.8	2.7		
(16B)	0	-5.4	-11.0	-12.5	-13.6	-14.1		
STRAIN GAGE (16C)	0	-6.4	-13.2	-15.0	-17.0	-18.0		

NOTE: GAGES (1), (2), (7), (8), (11), (12) (SINGLE)
STRAIN FACTOR = $100.5 \mu\epsilon/\text{DIVISION}$

GAGES (3), (4), (5), (6), (9), (10), (13), (14),
(15), (16) (ROSETTE)

STRAIN FACTOR = $99.1 \mu\epsilon/\text{DIVISION}$

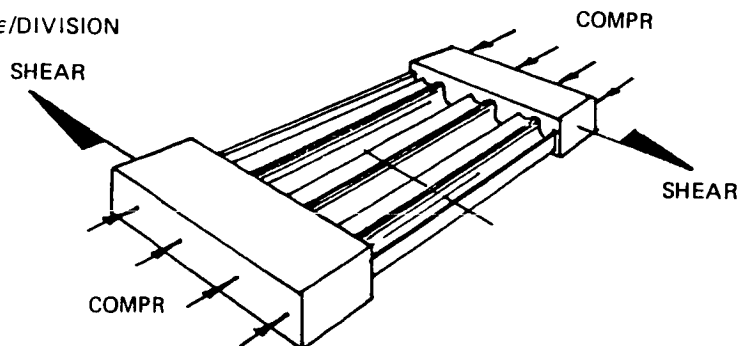


Figure A1-12: STRAIN GAGE DATA—PANEL 1A-2-U-5-CBS

COMPRESSION → SHEAR →	APPLIED LOAD (POUNDS)						
	0	2350	4760	7170	8370	8660	
	0	1000	2000	3000	3500	3620	
STRAIN GAGE (1)	0	0.7	1.0	0.4	-1.9	-3.3	REDUCED LOAD TO ZERO NO FAILURE
(2)	0	0.6	1.6	3.7	7.0	8.6	
(3A)	0	3.2	6.6	10.5	13.3	14.4	
(3B)	0	-2.2	-3.2	-3.5	-2.4	-1.6	
(3C)	0	-4.6	-8.5	-12.0	-12.5	-12.1	
(4A)	0	3.5	6.0	8.1	8.0	7.5	
(4B)	0	-2.2	-5.0	-8.0	-10.6	-11.7	
(4C)	0	-4.6	-9.5	-15.0	-20.0	-22.0	
(5A)	0	4.0	8.0	12.5	15.1	16.0	
(5B)	0	-2.2	-4.0	-5.7	-7.2	-7.6	
(5C)	0	-4.5	-8.2	-10.4	-12.5	-12.6	
(6A)	0	3.1	5.9	8.7	10.2	10.5	
(6B)	0	-1.9	-4.2	-6.3	-7.5	-7.8	
(6C)	0	-5.0	-9.8	-14.5	-16.7	-17.2	
(7)	0	-2.2	-4.0	-5.5	-6.0	-6.0	
(8)	0	-2.0	-4.4	-6.8	-8.3	-8.8	
(9A)	0	3.6	7.5	-10.4	13.5	14.0	
(9B)	0	-1.8	-3.1	-4.6	-5.3	-5.5	
(9C)	0	-3.8	-7.2	-10.1	-11.5	-11.7	
(10A)	0	2.0	4.1	6.4	7.4	7.6	
(10B)	0	-1.5	-3.5	-5.5	-6.4	-6.5	
(10C)	0	-3.8	-8.0	-12.2	-14.4	-14.9	
(11)	0	0.3	0.4	0	-1.0	-1.4	
(12)	0	0.9	1.7	3.1	4.2	4.5	
(13A)	0	3.2	6.8	10.3	12.0	12.4	
(13B)	0	-1.9	-2.9	-3.6	-4.3	-4.5	
(13C)	0	-4.4	-8.2	-11.6	-13.1	-13.5	
(14A)	0	3.0	5.7	8.1	8.6	8.5	
(14B)	0	-2.5	-5.4	-8.5	-10.5	-11.2	
(14C)	0	-5.1	-10.0	-15.1	-18.2	-19.2	
(15A)	0	3.5	7.2	11.0	13.1	13.7	
(15B)	0	-2.2	-3.4	-4.2	-3.8	-3.5	
(15C)	0	-4.8	-9.0	-12.9	-14.5	-14.8	
(16A)	0	2.9	5.5	7.9	8.8	9.0	
(16B)	0	-1.9	-3.8	-5.2	-5.0	-4.6	
STRAIN GAGE (16C)	0	-5.0	-10.3	-15.6	-18.8	-19.6	

NOTE: GAGES (1), (2), (7), (8), (11), (12)

STRAIN FACTOR = 100.5 $\mu\epsilon$ /DIVISION

GAGES (3), (4), (5), (6), (9), (10), (13), (14), (15), (16)

STRAIN FACTOR = 99.1 $\mu\epsilon$ /DIVISION

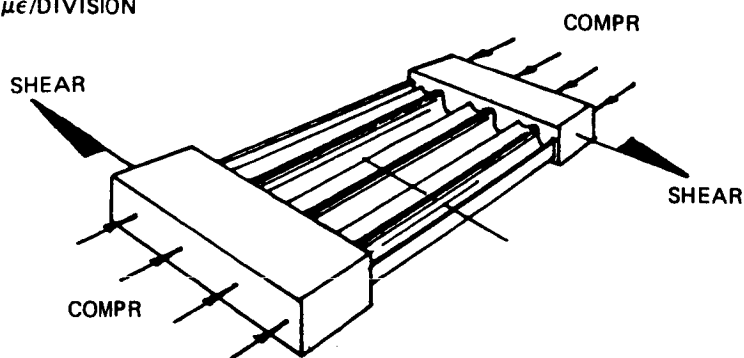


Figure A1-13: STRAIN GAGE DATA-PANEL 1A-2-U-5-CBS

		APPLIED LOAD (POUNDS)					
		0	10,490	13,980	15,750	17,520	18,400
COMPRESSION →	0						
SHEAR →	0	1,500	2,000	2,250	2,500	2,620	
BENDING* →	0	50	50	50	50	50	
STRAIN GAGE (1)	0	2.9	3.6	3.9	4.2	4.1	REDUCED LOAD TO ZERO NO FAILURE
(2)	0	3.1	4.4	5.0	5.7	6.2	
(3A)	0	1.3	1.7	1.8	1.5	1.2	
(3B)	0	-14.6	-18.6	-21.8	-26.3	-29.8	
(3C)	0	-10.6	-13.5	-15.1	-17.0	-18.0	
(4A)	0	5.0	6.2	7.3	8.5	9.5	
(4B)	0	-3.7	-5.1	-4.8	-3.2	-1.0	
(4C)	0	-7.5	-10.0	-11.3	-12.1	-12.2	
(5A)	0	2.4	2.9	2.5	1.1	-1.2	
(5B)	0	-13.4	-17.5	-20.5	-24.8	-28.0	
(5C)	0	-10.6	-13.8	-16.1	-19.4	-22.4	
(6A)	0	4.6	6.1	7.4	9.1	10.4	
(6B)	0	-4.6	-6.0	-5.8	-4.4	-2.1	
(6C)	0	-8.1	-10.5	-11.4	-11.7	-11.5	
(7)	0	-13.8	-17.6	-20.3	-23.7	-25.4	
(8)	0	-3.9	-5.1	-4.8	-3.2	-0.8	
(9A)	0	3.0	3.7	3.5	1.8	-0.5	
(9B)	0	-11.8	-15.5	-18.3	-22.0	-24.8	
(9C)	0	-9.5	-12.4	-14.6	-18.0	-21.4	
(10A)	0	2.9	4.3	5.2	6.7	7.9	
(10B)	0	-3.5	-4.6	-4.5	-3.0	-0.9	
(10C)	0	-5.7	-7.6	-8.5	-8.6	-8.3	
(11)	0	2.6	3.5	4.3	5.7	7.3	
(12)	0	3.0	3.6	3.8	3.0	1.2	
(13A)	0	1.0	1.1	0.7	-0.7	-2.5	
(13B)	0	-14.0	-18.3	-21.7	-27.3	-32.3	
(13C)	0	-10.1	-13.2	-15.0	-18.0	-20.5	
(14A)	0	4.9	6.2	7.3	9.1	10.8	
(14B)	0	-4.0	-5.4	-5.1	-2.9	0.3	
(14C)	0	-7.9	-10.1	-11.1	-11.0	-9.7	
(15A)	0	2.0	2.3	2.1	0.8	-1.1	
(15B)	0	-12.8	-16.4	-18.8	-22.2	-25.0	
(15C)	0	-10.8	-14.0	-16.1	-19.1	-21.6	
(16A)	0	4.2	5.5	6.4	7.8	8.7	
(16B)	0	-4.3	-5.8	-5.8	-4.4	-2.5	
STRAIN GAGE (16C)	0	-8.5	-11.2	-12.4	-13.1	-13.0	

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BEND LOAD (LB.) X 40 (IN.)

NOTE: GAGES (1), (2), (7), (8), (11), (12) (SINGLE)
STRAIN FACTOR = 100.5 $\mu\epsilon$ /DIVISION

GAGES (3), (4), (5), (6), (9), (10), (13), (14), (15), (16) (ROSETTE)
STRAIN FACTOR = 99.1 $\mu\epsilon$ /DIVISION

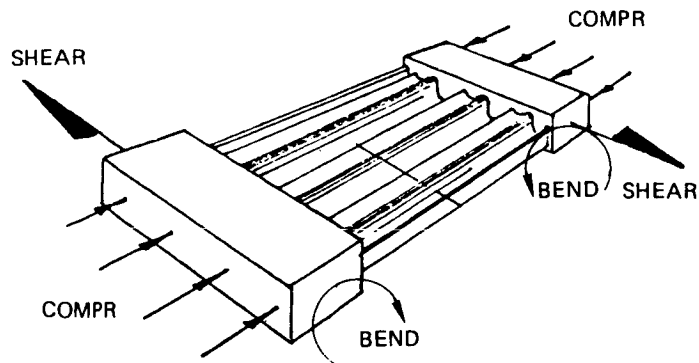


Figure A1-14 : STRAIN GAGE DATA—PANEL 1A-2-U-5-CBS

	APPLIED LOAD (POUNDS)				
	10,490	13,980	15,750	17,520	18,400
COMPRESSION →	1,500	2,000	2,250	2,500	2,620
SHEAR →	50	50	50	50	50
BENDING*					
EDI (1)	.329	.438	.551	.795	1.040
EDI (2)	.474	.625	.790	1.137	1.484
EDI (3)	.347	.453	.566	.808	1.055

DEFLECTION DATA—COMPR/SHEAR/BENDING
LOCAL BUCKLING PANEL 1A-2-U-5-CBS

	APPLIED LOAD (POUNDS)							
	1,000	2,000	3,000	3,500	4,000	4,110	4,250	4,370
SHEAR →	50	100	150	175	200	205	212	212
BENDING*								
EDI (1)	.264	.505	.766	.911	1.106	1.117	1.134	
EDI (2)	.350	.685	1.036	1.216	1.421	1.421	1.404	
EDI (3)	.251	.493	.739	.866	1.027	1.034	1.050	FAILURE

DEFLECTION DATA—SHEAR/BENDING
LOCAL BUCKLING PANEL 1A-2-U-5-CBS

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

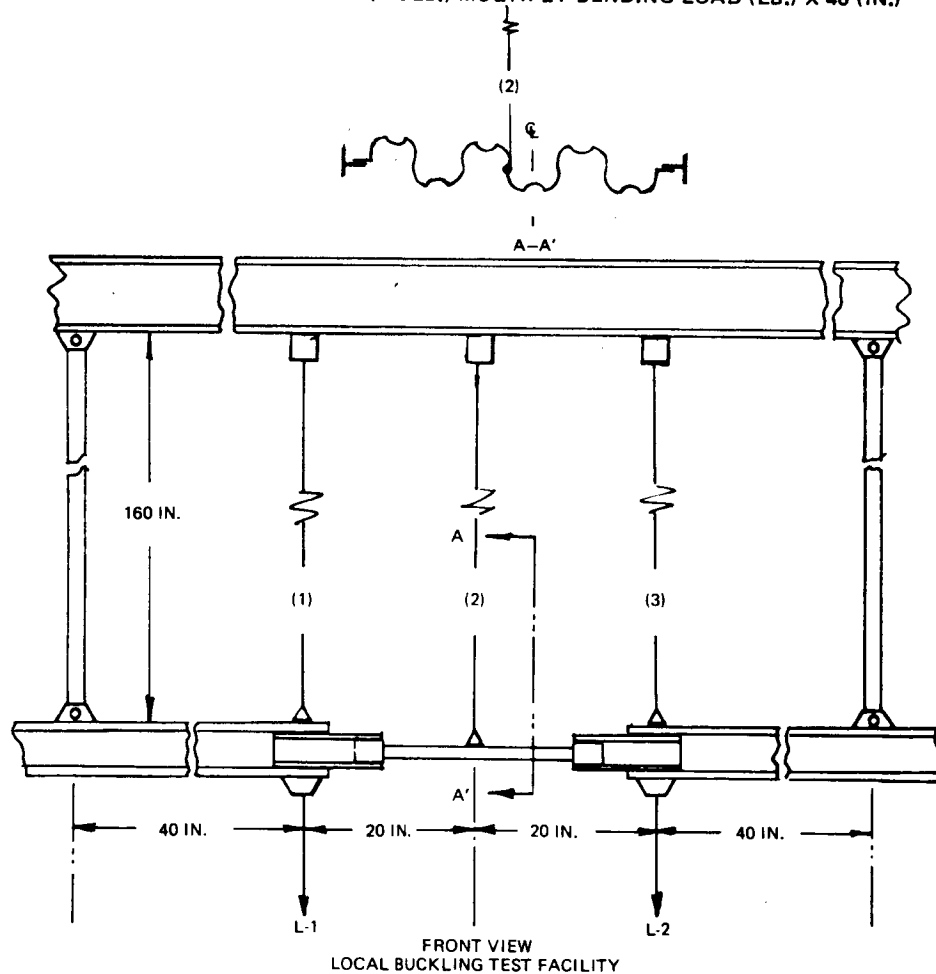


Figure A1-15: DEFLECTION DATA PANEL 1A-2-U-5-CBS

SHEAR →	APPLIED LOAD (POUNDS)						
	1000	2000	3000	4000	4250	4500	
STRAIN GAGE (1)	0.1	-0.1	-0.9	-4.3	-8.5	-21.4	REDUCE LOAD TO ZERO NO FAILURE
(2)	0	0	0.5	4.2	8.6	22.0	
(3A)	4.4	8.5	12.8	18.5	21.6	28.0	
(3B)	0.2	1.2	2.8	6.5	9.5	17.5	
(3C)	-4.2	-7.5	-10.5	-11.5	-9.9	-3.0	
(4A)	4.5	8.0	11.5	13.0	11.3	3.5	
(4B)	-0.1	-0.5	-1.0	-2.9	-5.0	-11.4	
(4C)	-4.1	-8.0	-12.4	-19.6	-24.8	-38.0	
(5A)	5.0	9.5	14.5	20.3	22.3	25.5	
(5B)	0.5	0.9	1.3	1.3	0.8	0.2	
(5C)	-4.0	-7.0	-9.8	-11.5	-11.5	-9.7	
(6A)	4.1	7.6	10.3	15.0	16.2	18.5	
(6B)	0	0	-0.2	-0.8	-1.0	0.2	
(6C)	-4.5	-8.5	-12.5	-16.1	-16.6	-15.2	
(7)	0.3	0.8	1.4	2.2	2.6	4.0	
(8)	-0.2	-0.5	-1.0	-2.0	-2.8	-5.5	
(9A)	4.3	8.5	12.5	17.0	18.1	19.5	
(9B)	0.2	0.5	0.9	1.1	1.1	0.8	
(9C)	-3.4	-6.3	-8.8	-10.8	-11.1	-11.2	
(10A)	2.8	5.5	8.4	11.0	11.6	12.2	
(10B)	0	-0.1	-0.4	-0.6	-0.6	-0.5	
(10C)	-3.5	-7.0	-10.5	-14.0	-15.0	-16.5	
(11)	-0.5	-1.0	-2.0	-4.4	-6.0	-7.8	
(12)	0.1	0.4	1.0	2.5	3.4	2.7	
(13A)	4.5	8.8	13.1	17.6	18.7	18.8	
(13B)	0.6	1.8	3.0	4.5	4.4	3.0	
(13C)	-4.0	-7.1	-9.9	-12.2	-12.8	-14.1	
(14A)	3.9	7.2	10.5	12.3	11.4	8.0	
(14B)	-0.8	-1.4	-2.3	-4.2	-5.3	-6.4	
(14C)	-4.9	-9.0	-13.4	-19.0	-21.5	-25.0	
(15A)	4.6	8.9	13.5	18.3	19.9	21.8	
(15B)	0.4	1.3	2.5	5.0	6.6	11.2	
(15C)	-4.4	-8.0	-11.1	-14.0	-14.4	-14.0	
(16A)	3.9	7.3	10.8	13.8	14.5	15.1	
(16B)	0	0.3	0.6	2.6	5.0	10.5	
STRAIN GAGE (16C)	-4.7	-9.0	-13.5	-18.3	-19.9	-21.2	

NOTE: GAGES (1), (2), (7), (8), (11), (12) (SINGLE)
STRAIN FACTOR = 100.5 $\mu\epsilon$ /DIVISION

GAGES (3), (4), (5), (6), (9), (10), (13), (14),
(15), (16) (ROSETTE)
STRAIN FACTOR = 99.1 $\mu\epsilon$ /DIVISION

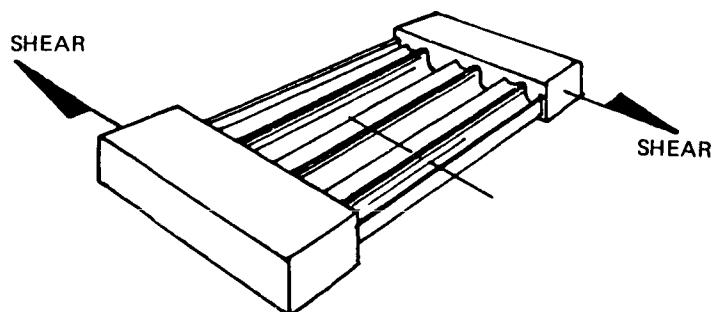


Figure A1- 16: STRAIN GAGE DATA—PANEL 1A-2-U-5-CBS

SHEAR → BENDING * →	APPLIED LOAD (POUNDS)							
	1000 50	2000 100	3000 150	3500 175	4000 200	4110 205	4250 212	4370 212
STRAIN GAGE (1)	0.1	-0.1	-1.1	-2.5	-7.0	-10.8	-20.7	FAILURE
(2)	0	0.2	1.1	2.5	7.5	11.3	21.1	
(3A)	2.9	5.2	7.9	9.2	11.1	12.9	16.1	
(3B)	-3.8	-7.1	-10.0	-10.6	-10.0	-8.0	-4.5	
(3C)	-5.3	-10.0	-14.1	-15.6	-14.1	-11.1	-2.6	
(4A)	6.2	11.5	17.0	19.9	21.5	20.4	16.8	
(4B)	3.9	7.6	11.2	12.2	11.2	9.5	5.3	
(4C)	-2.6	-5.0	-7.7	-9.4	-11.9	-14.1	-19.8	
(5A)	4.0	7.4	11.6	14.5	18.3	19.4	21.0	
(5B)	-2.5	-5.4	-8.7	-10.7	-13.5	-13.2	-9.5	
(5C)	-4.6	-8.6	-11.5	-12.0	-11.1	-11.1	-10.5	
(6A)	5.0	9.3	12.8	13.6	12.5	12.5	12.5	
(6B)	3.1	6.2	9.5	11.0	13.0	13.4	14.8	
(6C)	-3.8	-7.5	-12.3	-16.0	-22.5	-23.5	-24.5	
(7)	-3.0	-6.0	-9.5	-11.5	-14.7	-14.5	-13.8	
(8)	3.2	6.5	10.0	11.4	13.0	12.7	12.6	
(9A)	3.3	6.2	9.4	11.3	13.5	14.4	15.5	
(9B)	-2.5	-5.3	-8.5	-10.5	-13.5	-14.0	-15.0	
(9C)	-4.0	-7.5	-10.5	-11.2	-11.2	-11.4	-11.3	
(10A)	3.5	6.8	9.5	10.3	9.5	9.8	10.1	
(10B)	2.8	5.5	8.6	10.0	11.6	11.7	12.0	
(10C)	-2.8	-5.9	-9.9	-13.0	-18.1	-18.7	-19.5	
(11)	-0.5	-1.0	-1.5	-1.3	3.0	6.3	17.8	FAILURE
(12)	0.4	0.8	1.4	1.5	-2.8	-7.0	-21.5	
(13A)	2.7	5.0	7.0	7.4	5.0	4.2	0.3	
(13B)	-3.8	-7.2	-11.3	-14.0	-20.0	-21.4	-25.8	
(13C)	-5.2	-9.6	-14.0	-16.5	-21.2	-23.4	-29.5	
(14A)	5.0	10.0	15.1	18.1	23.2	24.9	29.2	
(14B)	3.1	6.5	9.6	10.8	12.5	13.0	15.4	
(14C)	-3.5	-6.2	-9.0	-10.1	-9.2	-8.4	-4.0	
(15A)	3.3	6.4	9.5	11.1	12.1	12.3	11.5	
(15B)	-3.0	-5.5	-8.0	-9.2	-9.6	-8.2	-4.0	
(15C)	-5.2	-9.8	-13.7	-15.2	-16.8	-17.5	-19.1	
(16A)	4.9	9.2	13.0	14.4	14.3	14.3	13.5	
(16B)	3.0	6.1	9.5	11.0	12.0	12.2	12.3	
STRAIN GAGE (16C)	-4.0	-7.6	-12.2	-15.5	-21.1	-22.4	-25.0	

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BEND LOAD (LB.) X 40 (IN.)

NOTE: GAGES (1), (2), (7), (8), (11), (12) (SINGLE
STRAIN FACTOR = 100.5 $\mu\epsilon$ /DIVISION

GAGES (3), (4), (5), (6), (9), (10), (13), (14), (15), (16) (ROSETTE)
STRAIN FACTOR = 99.1 $\mu\epsilon$ /DIVISION

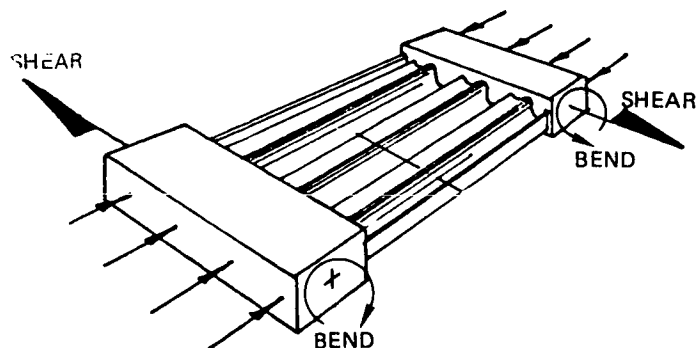


Figure A1-17: STRAIN GAGE DATA-PANEL 1A-2-U-5-CBS

BENDING → ↓	APPLIED BENDING LOAD (POUNDS)							
	50	100	150	200	250	300	350	400
STRAIN GAGE (1)	4.8	10.0	15.1	20.6	26.1	31.5	37.2	43.6
(2)	-7.0	-15.0	-22.8	-31.7	-41.0	-51.1	-63.0	-82.2
(3)	5.2	11.1	17.0	23.0	28.5	35.0	41.5	48.6
(4)	-5.5	-11.8	-18.0	-25.3	-32.5	-40.1	-49.0	-59.2
(5)	6.0	12.7	18.8	26.0	33.2	39.7	46.6	54.5
STRAIN GAGE (6)	-4.1	-8.9	-13.5	-18.8	-23.2	-29.7	-35.7	-42.8

STRAIN GAGE DATA BENDING ~ 1A-2-U-8-B NOTE: STRAIN FACTOR -100.7 $\mu\epsilon$ /DIVISION

• FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

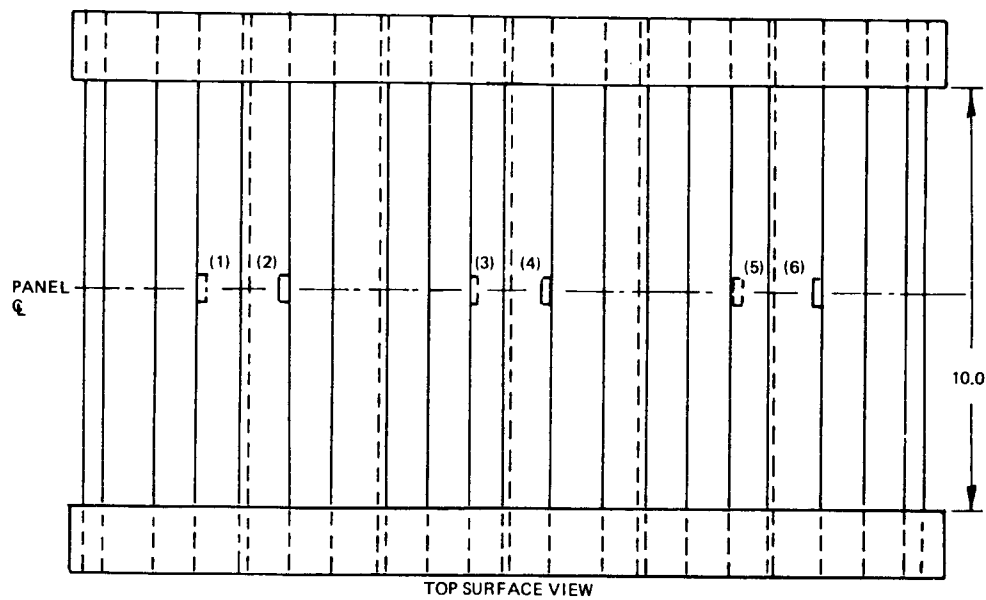
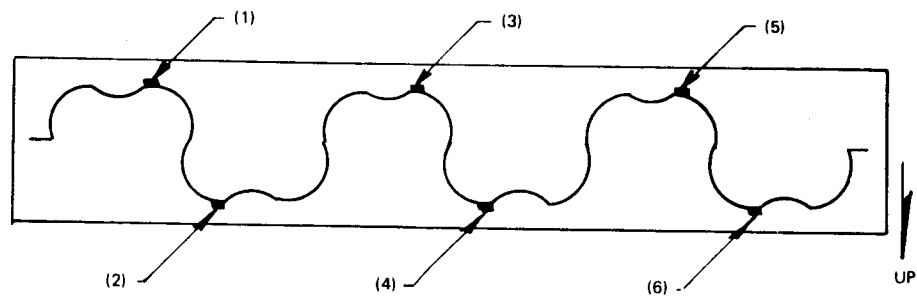


Figure A1-18 : STRAIN GAGE DATA-PANEL 1A-2-U-8-B

COMPRESSION →	APPLIED LOAD (POUNDS)							
	4,000	8,000	12,000	13,000	14,000	14,500	15,000	
STRAIN GAGE (1)	800	1620	2370	2540	2690	2730	2700	NO FAILURE— FORCE/STIFFNESS PLOT SHOWED PANEL AT FAILURE
(2)	820	1680	2540	2760	3020	3180	3490	
(3)	820	1710	2510	2700	2870	2940	2860	
(4)	850	1750	2580	2780	2990	3100	3320	
(5)	870	1750	2600	2830	3090	3250	3490	
(6)	880	1690	2450	2610	2760	2810	2820	
(7)	810	1680	2480	2680	2900	3020	3270	
(8)	830	1690	2470	2660	2850	2950	2940	
(9)	+250	+540	+810	+880	+910	+900	+590	
(10)	+220	+500	+770	+870	+960	+1040	+1410	
(13)	660	1480	2230	2400	2580	2670	2900	
(14)	1090	2020	2880	3090	3320	3430	3470	
(17)	760	1640	2490	2690	2900	2980	2930	
(18)	1050	1940	2730	2900	3050	3100	3150	
(19)	+270	+540	+730	+750	+720	+670	+670	
STRAIN GAGE (20)	+240	+560	+930	+1070	+1240	+1370	+1430	

NOTE: STRAIN READINGS IN $\mu\epsilon$
ALL STRAIN READINGS NEGATIVE UNLESS NOTED

STRAIN GAGE DATA COMPRESSION — 1A-2-U-9-C

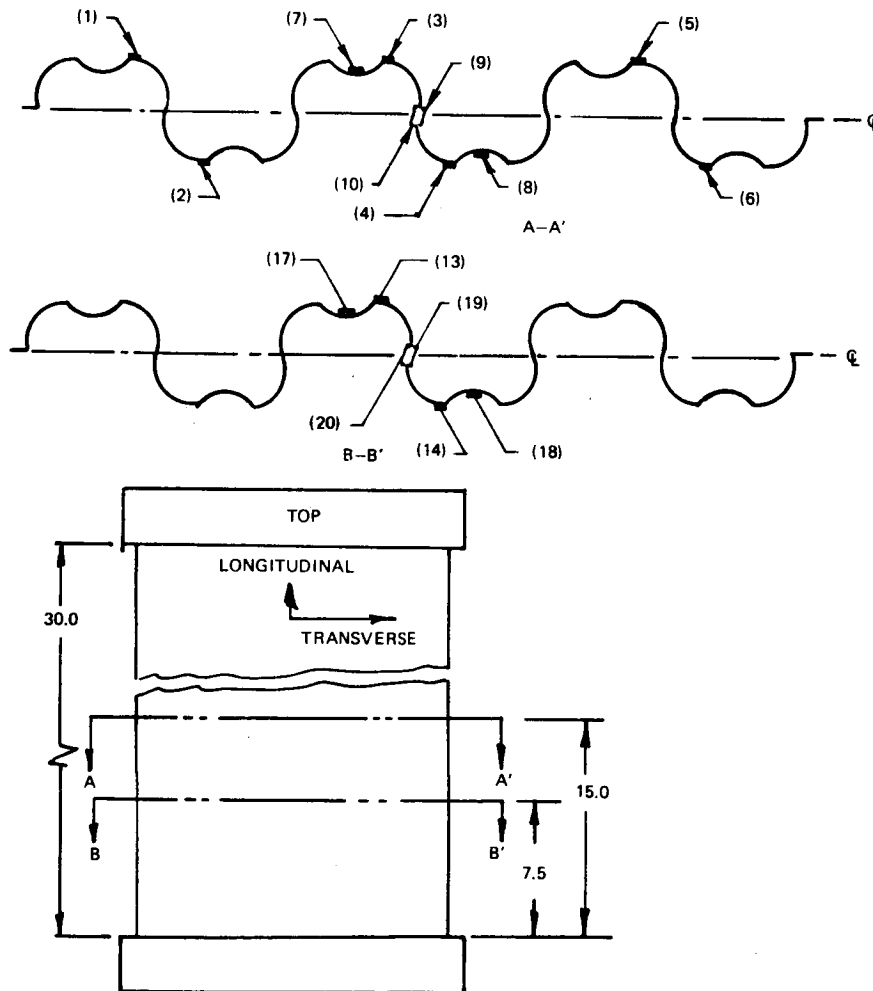
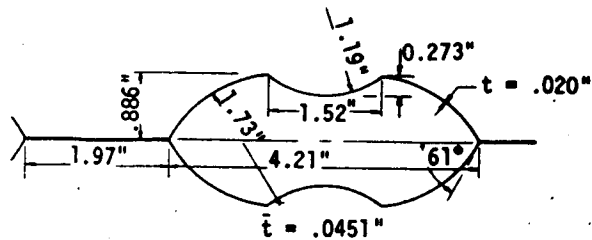






Figure A1-19 : STRAIN GAGE DATA-PANEL 1A-2-U-9-C



FLUTED TUBE (2a-1)

SPECIMEN NO.	FAILURE STRESS (KSI)	STRAIN GAGE		DEFLECTION	
		INSTL.	DATA	INSTL.	DATA
2A-1-U-1-C	$F_C = 24.2$ 	A1-20	A1-20	—	—
	$F_C = 39.0$ 				
2A-1-U-2-C	$F_C = 23.4$ 	A1-21	A1-21	—	—
	$F_C = 37.0$ 				
2A-1-U-3-CB	$F_C = 25.5$ $F_B = 44.5$	A1-22	A1-22	—	—
2A-1-U-4-S	$F_S = 25.5$	—	—	A1-23	A1-23
2A-1-U-5-BS	$F_B = 50.5$ $F_S = 17.7$	A1-24	A1-24	—	—
2A-1-U-6-CS	$F_C = 37.3$ $F_S = 11.6$	A1-25	A1-25	—	—
2A-1-U-7-CBS	$F_C = 25.0$ $F_B = 48.4$ $F_S = 6.12$	A1-26	A1-26	A1-23	A1-23
2A-1-U-10-B	$F_B = 70.7$	A1-27	A1-27	—	—

 FLAT BUCKLING

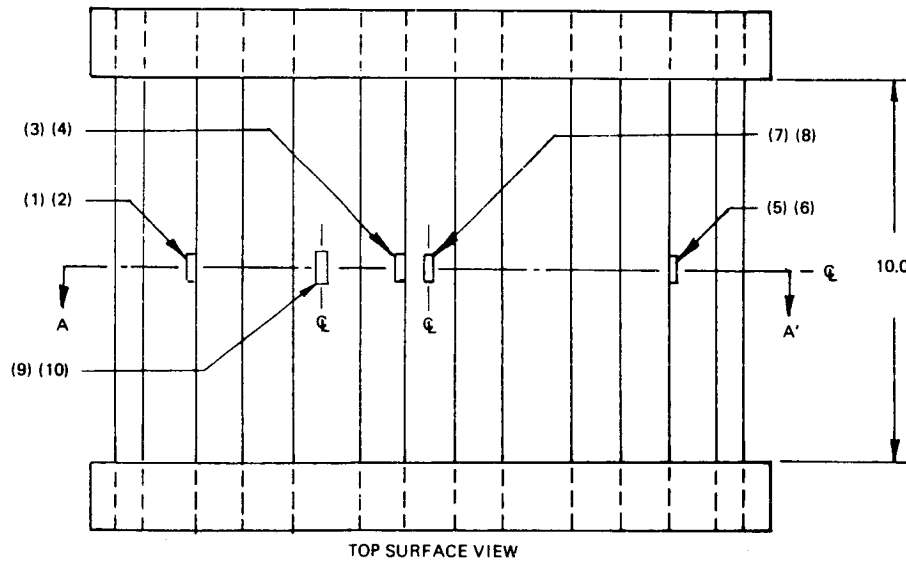
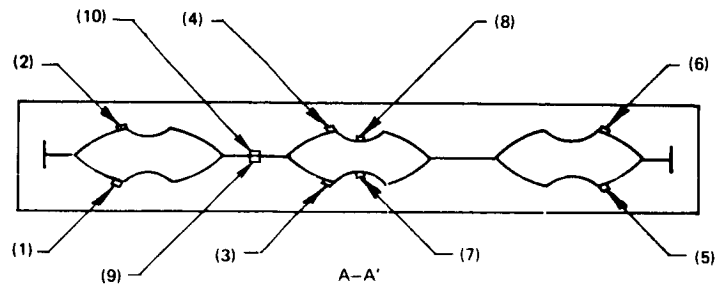
 WEB CRIPPLING

Table A1-3:
SUMMARY
FLUTED TUBULAR LOW LOAD
LOCAL BUCKLING SPECIMENS

COMPRESSION →		APPLIED LOAD (POUNDS)								
		4,000	8,000	12,000	16,000	18,000	20,000	24,000	28,000	29,650
STRAIN GAGE (1) ↓ (2) (3) (4) (5) (6) (7) (8) (9) ↓	(1)	520	1028	1510	1978	2211	2455	2975	3494	FAILURE
	(2)	502	932	1402	1868	2090	2335	2838	3328	
	(3)	504	1009	1474	1924	2146	2386	2902	3402	
	(4)	475	915	1377	1833	2060	2310	2879	3452	
	(5)	495	996	1460	1915	2143	2371	2874	3371	
	(6)	465	874	1315	1762	1989	2206	2694	3182	
	(7)	528	1062	1569	2073	2324	2582	3136	3692	
	(8)	504	996	1504	2009	2259	2515	3060	3609	
	(9)	475	964	1453	1948	2206	3341	4544	5094	
STRAIN GAGE (10)		462	936	1411	1877	2094	1150	+247	+915	

- NOTES: 1. STRAIN GAGE OUTPUT = $1\mu\epsilon/\text{COUNT}$
2. ALL STRAIN GAGE OUTPUT ARE NEGATIVE UNLESS NOTED

STRAIN GAGE OUTPUT
LOCAL BUCKLING PANEL 2A-1-U-1-C



TOP SURFACE VIEW
STRAIN GAGE INSTALLATION

Figure A1-20: STRAIN GAGE DATA-PANEL 2A-1-U-1-C

COMPRESSION →	APPLIED LOAD (POUNDS)						
	4,000	8,000	12,000	16,000	20,000	22,000	23,750
STRAIN GAGE (1)	614	1167	1702	2228	2798	3095	FAILURE
(2)	552	1064	1526	2009	2504	2744	
(3)	620	1162	1713	2259	2885	3209	
(4)	547	1078	1594	2096	2607	2915	
(5)	613	1180	1708	2222	2781	3070	
(6)	609	1159	1711	2236	2794	3073	
(7)	587	1129	1650	2147	2679	2916	
(8)	560	1105	1629	2136	2690	2940	
(9)	592	1147	1684	2186	2713	2957	
(10)	571	1112	1635	2158	2818	3006	
(11)	598	1173	1732	2454	4445	4895	
(12)	583	1132	1652	1968	+160	+705	
(13)	573	1092	1588	2059	2554	2784	
(14)	578	1119	1639	2150	2713	3006	
(15)	599	1154	1681	2188	2726	2987	
STRAIN GAGE (16)	571	1109	1620	2114	2636	2905	

- NOTES: 1. STRAIN GAGE OUTPUT = $1 \mu\epsilon/\text{COUNT}$
2. ALL STRAIN GAGE OUTPUTS ARE NEGATIVE UNLESS NOTED.

STRAIN GAGE OUTPUT
LOCAL BUCKLING PANEL 2A-1-U-2-C

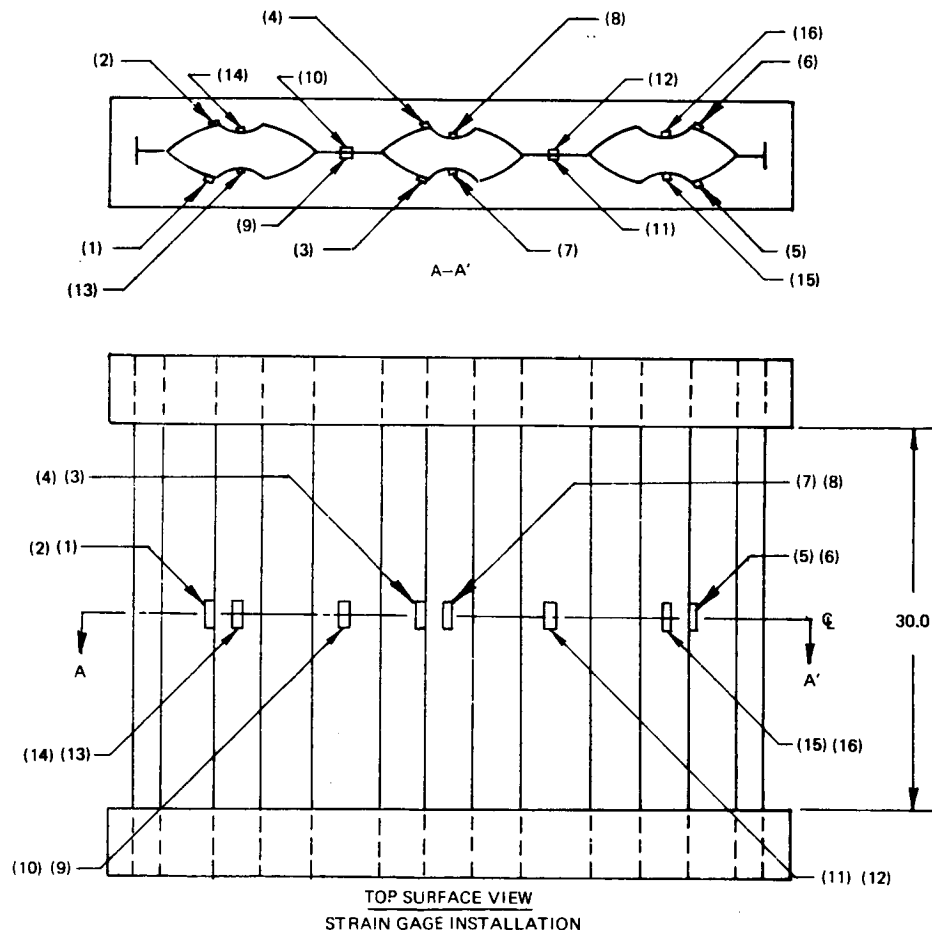


Figure A1-21 : STRAIN GAGE DATA-PANEL 2A-1-U-2-C

		APPLIED LOAD (POUNDS)									
COMPRESSION →		3,200	6,420	9,580	12,820	16,020	19,200	22,420	25,620	28,800	
BENDING* →		15	22	30	40	50	60	68	79	88	
STRAIN GAGE (1)		-4.4	-7.0	-10.4	-14.3	-19.0	-24.7	-31.8	-42.5	-63.8	LOST EDI CLIP, PANEL FAILED, WHILE REBONDING
(2)		0.5	-0.8	-1.4	1.4	-0.5	1.0	3.7	9.4	22.8	
(3)		-4.8	-7.5	-11.0	-15.0	-19.8	-25.5	-32.5	-43.4	-65.8	
(4)		0	-1.2	-1.8	-1.8	-0.9	0.9	3.7	9.5	23.5	
(5)		-4.0	-6.8	-10.2	-14.4	-19.5	-25.2	-32.5	-43.7	-66.5	
(6)		-0.2	-1.6	-2.5	-2.7	-2.2	-1.0	1.4	6.4	18.6	
(7)		-2.9	-4.0	-4.0	-3.8	-3.5	-3.0	-2.7	-2.5	1.0	
STRAIN GAGE (8)		-1.0	-2.6	-3.9	-4.7	-5.0	-4.5	-3.2	0.4	10.7	

NOTE: STRAIN FACTOR = 100.7 $\mu\epsilon$ /DIVISION

STRAIN GAGE OUTPUT—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-1-U-3-CB

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

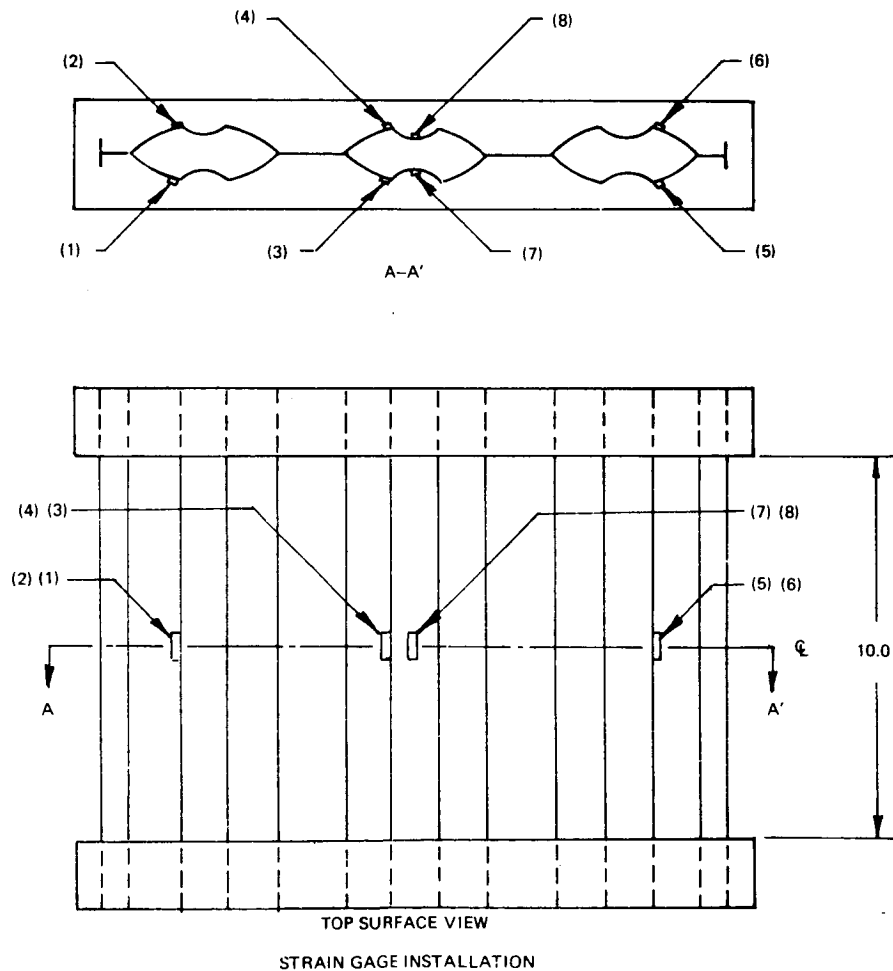


Figure A1-22: STRAIN GAGE DATA—PANEL 2A-1-U-3-CB

	APPLIED LOAD (POUNDS)					
	2,990	6,000	9,000	12,000	12,590	12,900
SHEAR →	102	198	298	398	418	430
BENDING * →						
STRAIN GAGE (1)	-7.8	-16.3	-27.1	-39.1	-42.0	FAILURE
(2)	8.0	17.1	27.3	36.6	38.5	
(3)	-6.7	-14.1	-23.1	-33.0	-35.9	
(4)	9.5	19.5	30.0	40.7	42.9	
(5)	-9.9	-19.4	-30.1	-42.8	-45.5	
(6)	9.5	19.0	27.7	37.0	38.5	
(7A)	-7.6	-15.0	-22.8	-29.5	-30.0	
(7B)	-4.8	-9.2	-13.5	-16.1	-16.4	
STRAIN GAGE (7C)	4.1	8.8	12.1	15.7	16.3	

NOTE: STRAIN FACTOR = $100.7 \mu\epsilon/\text{DIVISION}$

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

STRAIN GAGE OUTPUT-SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-1-U-5-BS

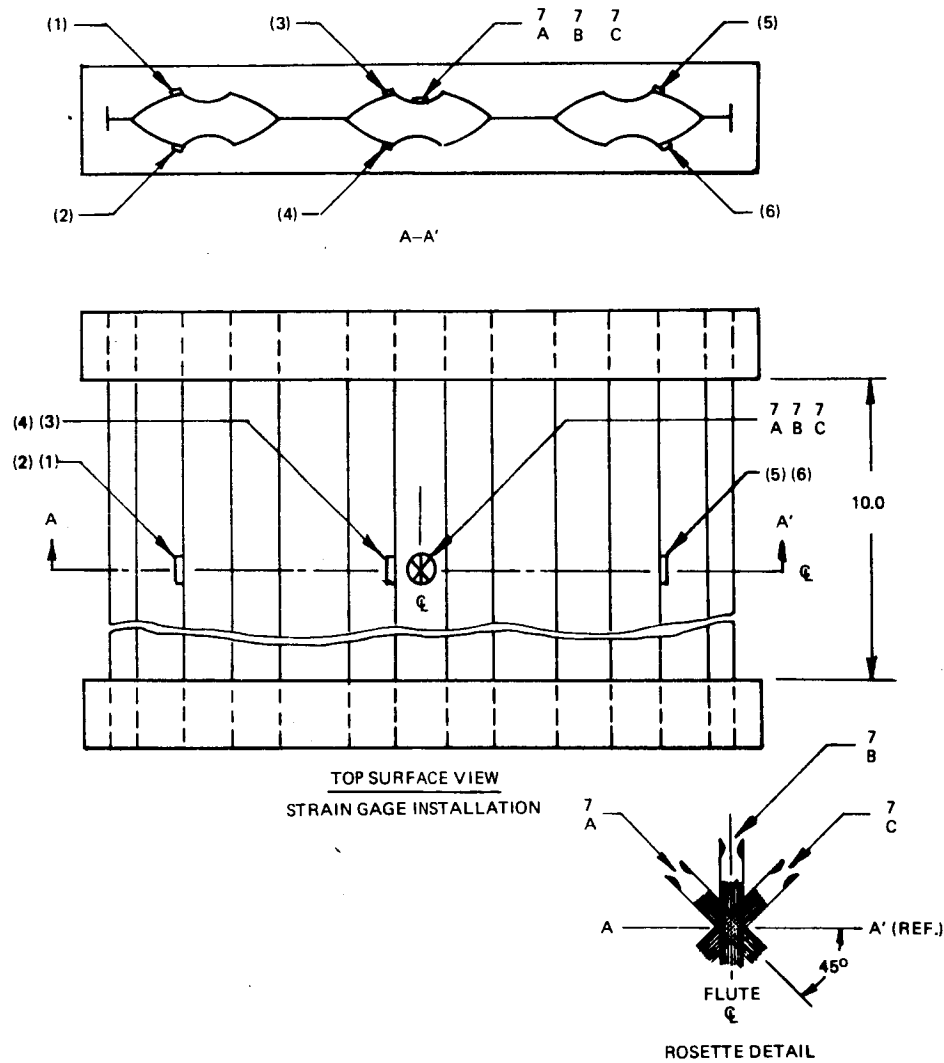


Figure A1-24: STRAIN GAGE DATA-PANEL 2A-1-U-5-BS

COMPRESSION → SHEAR →	APPLIED LOAD (POUNDS)							
	5,960 1,020	11,970 2,000	17,990 2,990	24,000 3,990	30,000 5,000	36,000 5,990	42,000 7,000	47,860 7,820
STRAIN GAGE (1)	-5.0	-9.2	-13.4	-17.5	-21.7	-26.1	-30.7	FAILURE
(2)	-3.0	-6.5	-10.3	-14.0	-17.5	-21.0	-24.4	
(3)	-3.5	-7.0	-10.3	-13.8	-17.4	-21.6	-27.5	
(4)	-1.8	-4.1	-7.0	-9.9	-12.8	-15.5	-18.4	
(5)	-4.6	-8.9	-12.8	-16.8	-20.6	-24.5	-28.5	
(6)	-3.1	-6.8	-10.6	-14.5	-18.1	-21.7	-25.4	
(7A)	-3.5	-7.0	-10.5	-14.0	-17.6	-21.1	-24.0	
(7B)	-3.6	-7.1	-10.8	-14.5	-18.4	-22.4	-26.3	
(7C)	1.0	2.0	2.8	3.6	4.4	5.0	5.0	
(8A)	1.4	2.4	3.1	4.0	4.6	5.4	6.1	
(8B)	-2.4	-5.4	-8.8	-12.4	-16.0	-20.0	-24.2	
(8C)	-3.0	-5.9	-9.0	-12.0	-15.1	-18.4	-22.3	
(9A)	-3.1	-6.5	-9.9	-13.2	-16.0	-9.5	4.4	
(9B)	1.5	2.9	4.0	5.4	7.0	15.0	26.7	
STRAIN GAGE (9C)	1.1	2.3	3.6	5.0	7.0	17.1	30.5	

NOTE: STRAIN FACTOR = 100.7 $\mu\epsilon$ /DIVISION FOR GAGES (1), (2), (3), (4), (5), (6)
 STRAIN FACTOR = 99.06 $\mu\epsilon$ /DIVISION FOR GAGES (7), (8), (9)

STRAIN GAGE OUTPUT—SPEEDOMAX DIVISION
 LOCAL BUCKLING PANEL 2A-1-U-6-CS

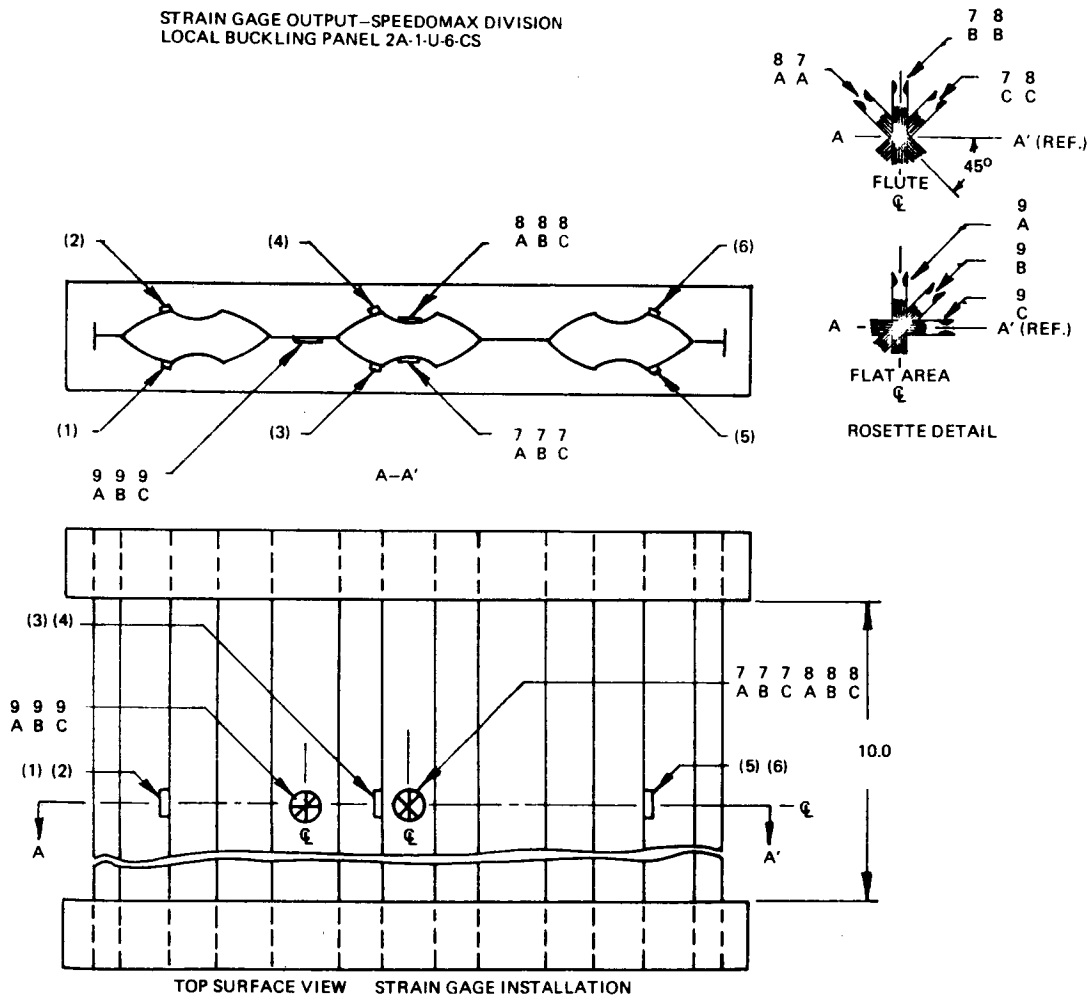
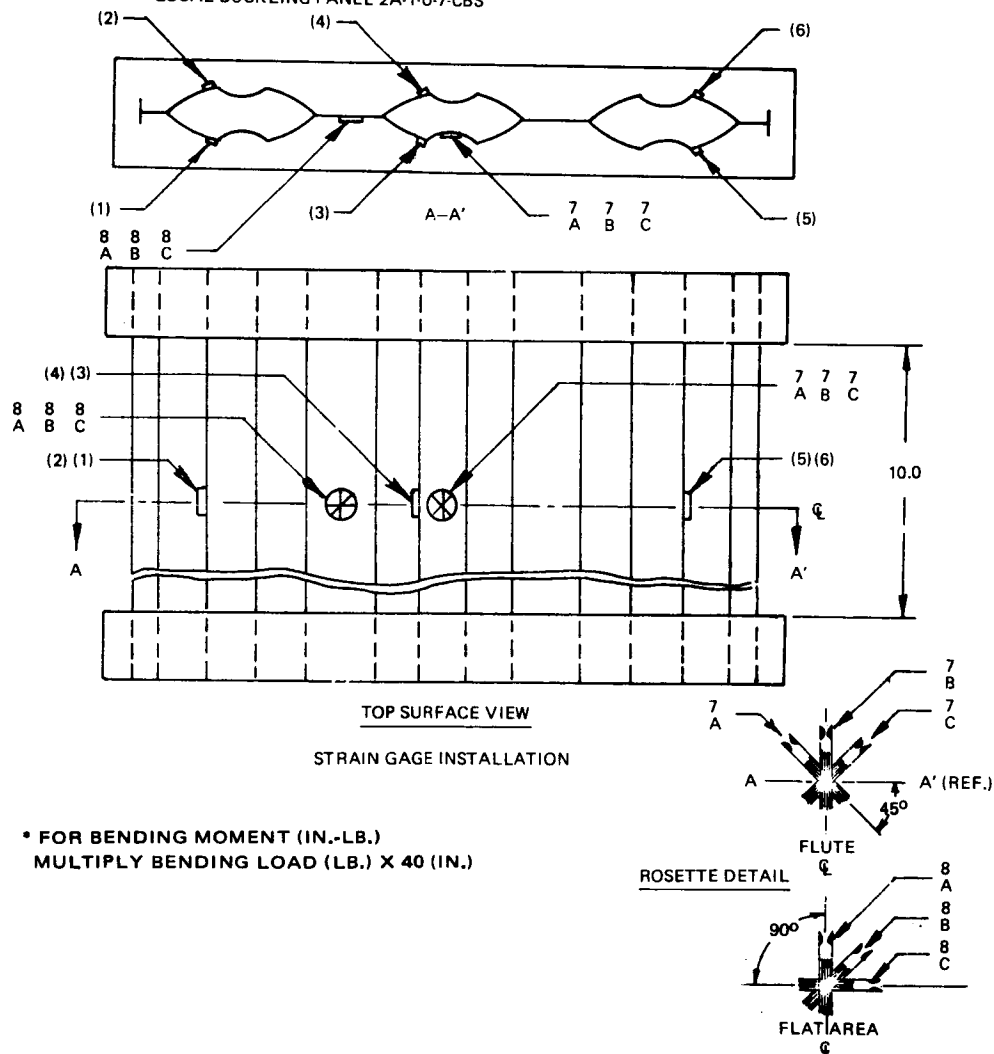


Figure A1-25: STRAIN GAGE DATA—PANEL 2A-1-U-6-CS

	APPLIED LOAD (POUNDS)							
	3,140	6,340	9,540	12,740	15,940	19,160	22,340	24,000
COMPRESSION →	590	1,200	1,810	2,420	3,000	3,600	4,200	4,500
SHEAR →	20	36	57	77	96	116	136	137
BENDING* →								
STRAIN GAGE (1)	-4.2	-8.2	-13.9	-20.8	-29.2	-40.4	-56.9	FAILURE
(2)	0	-0.1	1.3	3.6	7.2	12.5	21.0	
(3)	-3.6	-6.8	-11.5	-17.5	-24.9	-34.9	-49.9	
(4)	1.2	2.0	4.1	7.3	11.8	17.8	27.3	
(5)	-5.0	-9.3	-15.1	-22.2	-31.1	-42.5	-60.4	
(6)	1.2	1.3	3.1	5.8	9.5	15.1	24.0	
(7A)	-2.3	-4.4	-6.9	-9.6	-12.6	-15.6	-18.6	
(7B)	-3.1	-5.9	-9.5	-13.5	-17.6	-22.5	-26.1	
(7C)	0.1	0.1	-0.1	-0.6	-1.6	-2.6	-3.3	
(8A)	-1.5	-3.2	-4.9	-6.6	-8.5	-10.6	-13.0	
(8B)	0.4	0.5	0.6	0.7	1.6	0.5	0	
(8C)	0.5	1.0	1.5	1.8	2.1	2.0	1.1	

NOTE: STRAIN FACTOR = $100.7 \mu\epsilon/\text{DIVISION}$ FOR GAGES (1) THRU (6)
 STRAIN FACTOR = $99.06 \mu\epsilon/\text{DIVISION}$ FOR GAGES (7) AND (8)

STRAIN GAGE OUTPUT—SPEEDOMAX DIVISIONS
 LOCAL BUCKLING PANEL 2A-1-U-7-CBS



* FOR BENDING MOMENT (IN.-LB.)
 MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

Figure A1-26: STRAIN GAGE DATA—PANEL 2A-1-U-7-CBS

BENDING* →	APPLIED LOAD (POUNDS)				
	102	202	302	347	387
STRAIN GAGE (1)	-13.7	-28.4	-45.0	-53.1	FAILURE
(2)	13.0	25.7	38.2	43.5	
(3)	-13.5	-27.4	-42.7	-50.3	
(4)	13.2	26.3	40.0	46.4	
(5)	-14.7	-29.5	-46.2	-54.5	
(6)	13.5	26.1	38.4	43.5	

NOTES: STRAIN FACTOR = 100.7 $\mu\epsilon$ /DIVISION

STRAIN GAGE OUTPUT—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-1-U-10-B

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

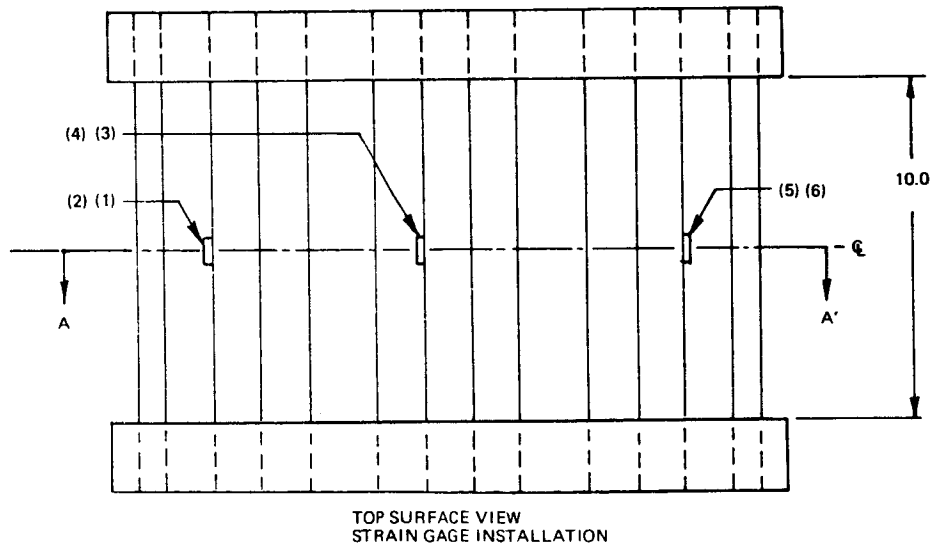
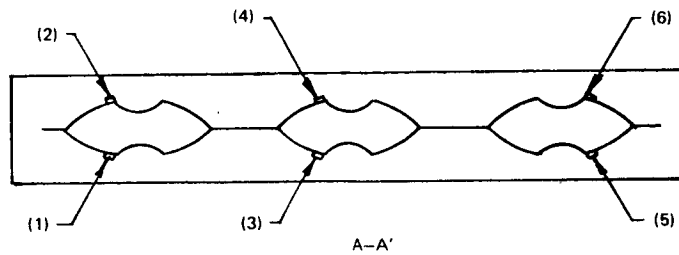
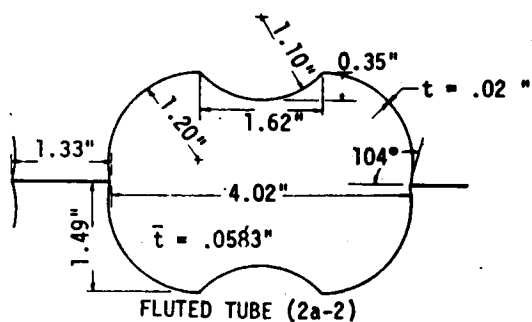


Figure A1-27: STRAIN GAGE DATA—PANEL 2A-1-U-10-B



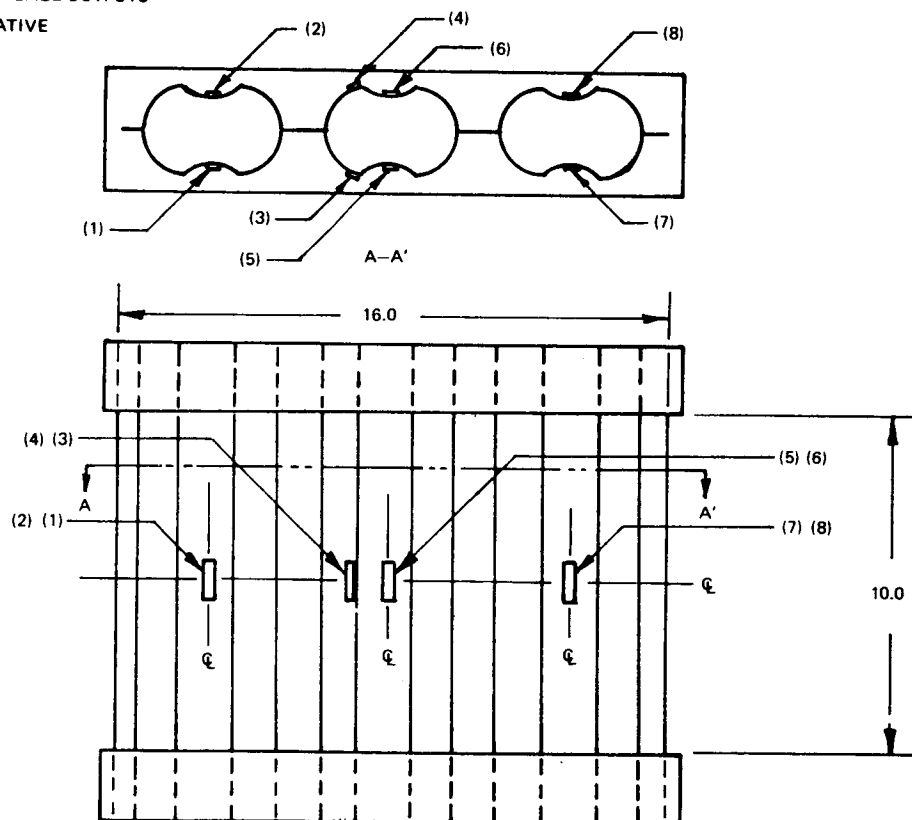
SPECIMEN NO.	FAILURE STRESS (KSI)	STRAIN GAGE		DEFLECTION	
		INSTL.	DATA	INSTL.	DATA
2A-2-U-1-C	$F_C = 50.6$	A1-28	A1-28		
2A-2-U-2-C	$F_C = 53.5$	A1-29	A1-30		
2A-2-U-3-S	$F_S = 25.5$				
2A-2-U-4-CS	$F_C = 37.7$ $F_S = 24.8$	A1-31	A1-31		
2A-2-U-6-CB	$F_C = 35.9$ $F_B = 37.3$	A1-32	A1-32	A1-33	A1-33
2A-2-U-7-BS	$F_B = 39.3$ $F_S = 22.1$	A1-34	A1-34	A1-33	A1-33
2A-2-U-9-CBS	$F_C = 23.2$ $F_B = 36.5$ $F_S = 12.6$	A1-35	A1-35	A1-36	A1-36
2A-2-U-10-B	$F_B = 68.3$	A1-37	A1-37		

Table A1-4:
SUMMARY
FLUTED TUBE HIGH LOAD
LOCAL BUCKLING SPECIMENS

COMPRESSION →	APPLIED LOAD (POUNDS)							
	0	20,000	25,000	30,000	35,000	40,000	45,000	47,400
STRAIN GAGE (1)	0	2180	2720	3270	3820	4360	4940	FAILURE
(2)	0	2170	2740	3310	3880	4430	5020	
(3)	0	2140	2630	3120	3630	4120	4620	
(4)	0	2100	2640	3160	3680	4170	4600	
(5)	0	2160	2680	3210	3750	4280	4850	
(6)	0	2220	2790	3360	3940	4500	5110	
(7)	0	2130	2670	3210	3750	4280	4850	
STRAIN GAGE (8)	0	2080	2630	3180	3730	4270	4850	

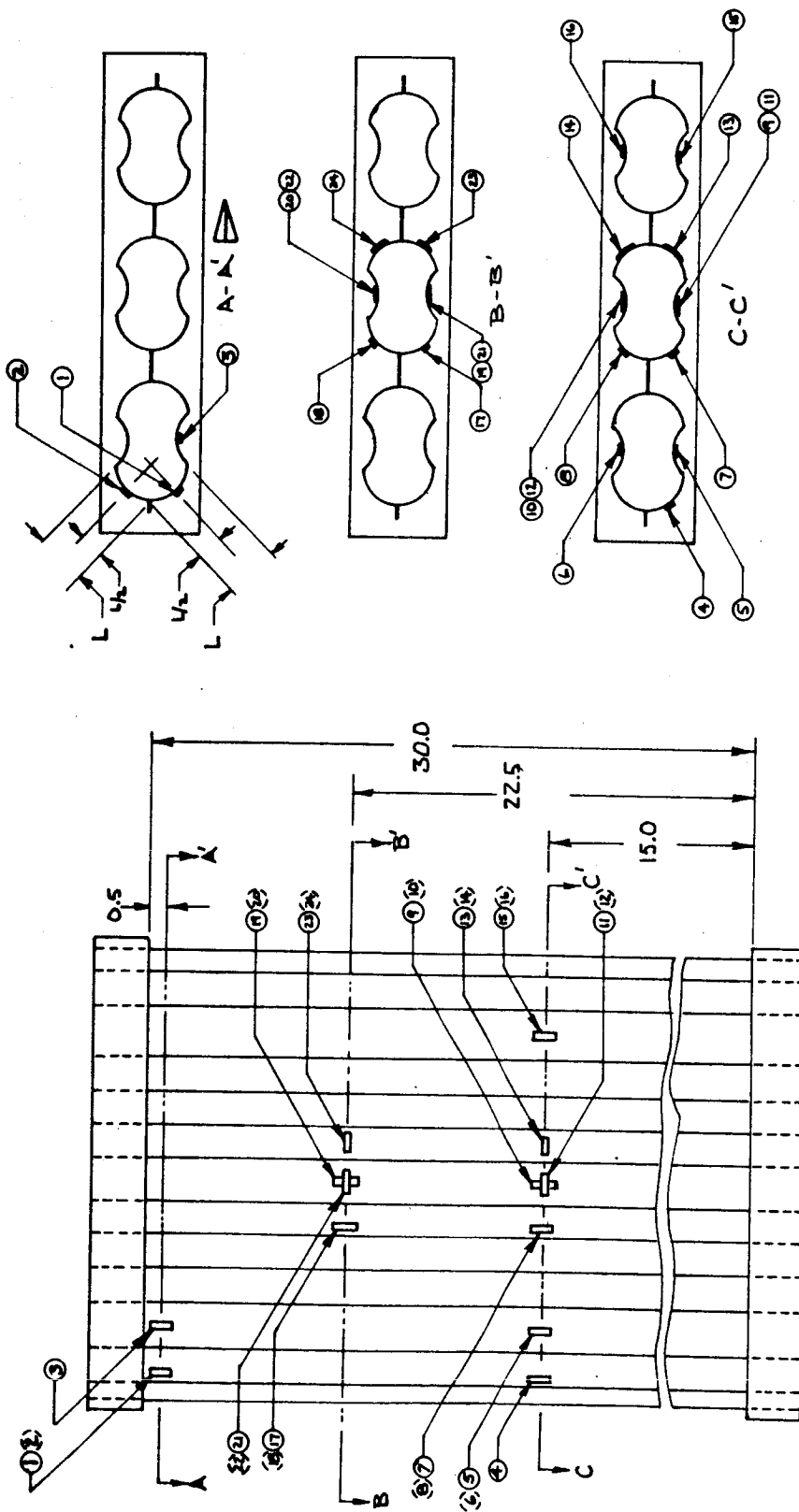
STRAIN GAGE OUTPUT— $\mu\epsilon$ /DIVISION
LOCAL BUCKLING PANEL 2A-2-U-1-C
FLUTED TUBULAR HIGH LOAD

NOTE: ALL STRAIN GAGE OUTPUTS
WERE NEGATIVE



STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2A-2-U-1-C
FLUTED TUBULAR HIGH LOAD

Figure A1-28 : STRAIN GAGE DATA—PANEL 2A-2-U-1-C



➤ LAYOUT FOR GAGES *14, *2, TYPICAL FOR GAGES
NO. 4, 7, 8, 13, 14, 17, 18, 23 & 24

STRAIN GAGE INFORMATION
GAGES NO. 9, 10, 11, 12, 19, 20, 21 & 22
TYPE: WA-13-170UT-350
RESISTANCE: 350.0 ± 0.3%
GAGE FACTOR: 2.12 ± 1%
LOT NUMBER: Z-A1BAF1Z

ALL OTHER GAGE LOCATIONS
TYPE: WA-13-125AC-350
RESISTANCE: 350.0 ± 0.3%
GAGE FACTOR: 2.085 ± 0.5%
LOT NUMBER: Z-A1BAF0S

ADHESIVE: M-BONDO-200
LEAD WIRE: #22-26 VINYL OR TEFLON
COVERED 1/2 FT. LONG

Figure A1-29 : STRAIN GAGE INSTALLATION-PANEL 2A-2-U-2-C

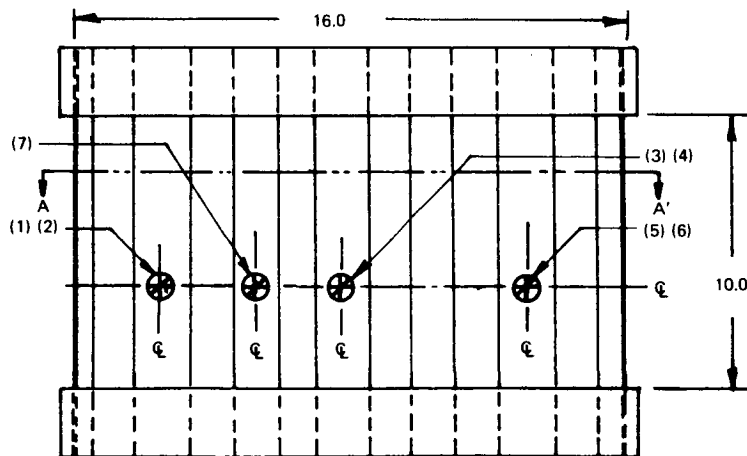
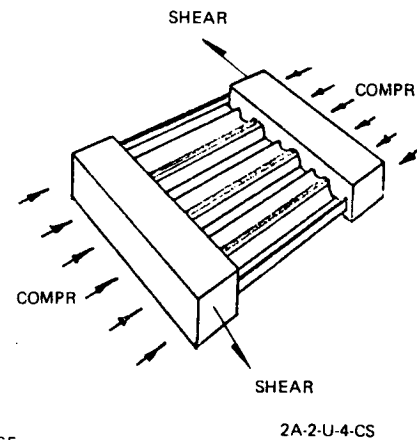
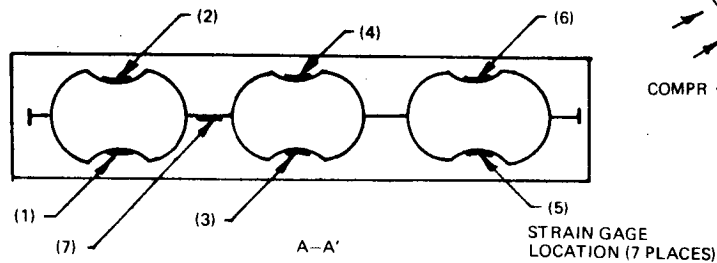
COMPRESSION →	APPLIED LOAD (POUNDS)						
	10,000	20,000	30,000	32,000	34,000	36,000	38,000
STRAIN GAGE (1)	536	1000	1484	1578	1678	1770	FAILURE
(2)	205	475	798	864	928	995	
(3)	450	850	1288	1387	1485	1594	
(4)	341	685	1041	1113	1183	1252	
(5)	350	697	1036	1102	1167	1229	
(6)	358	694	1022	1085	1143	1200	
(7)	376	745	1103	1175	1245	1313	
(8)	379	732	1074	1142	1208	1273	
(9)	365	717	1060	1130	1202	1278	
(10)	374	711	1023	1084	1139	1189	
(11)	+133	+265	+398	+424	+462	+520	
(12)	+110	+205	+297	+313	+331	+356	
(13)	+115	+231	+335	+354	+367	+369	
(14)	+150	+293	+445	+481	+517	+561	
(15)	372	752	1124	1208	1296	1396	
(16)	368	711	1014	1072	1125	1173	
(17)	436	833	1233	1319	1407	1505	
(18)	324	653	965	1022	1079	1129	
(19)	431	796	1103	1149	1182	1184	
(20)	330	670	1025	1107	1198	1302	
(21)	+129	+229	+281	+276	+264	+236	
(22)	+114	+235	+393	+439	+499	+585	
(23)	+153	+308	+516	+581	+663	+783	
STRAIN GAGE (24)	+107	+203	+250	+242	+222	+176	

- NOTE: 1. GAGES (1) THRU (8), (13) THRU (18), (22), (23), (24)
INDICATED STRAIN = $3.0 \mu\epsilon/\text{COUNT}$
2. GAGES (9), (10), (11), (12), (19), (20), (21) AND (22)
INDICATED STRAIN = $2.95 \mu\epsilon/\text{COUNT}$
3. ALL READINGS NEGATIVE UNLESS NOTED

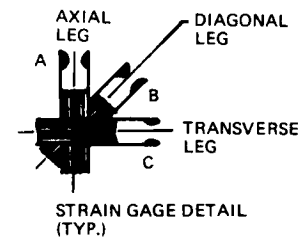
Figure A1-30: STRAIN GAGE DATA—PANEL 2A-2-U-2-C

COMPRESSION SHEAR	APPLIED LOAD (POUNDS)						
	12,040 2,000	24,000 4,000	36,000 6,000	42,000 7,000	48,000 8,000	54,000 9,000	56,400 9,400
STRAIN GAGE (1A)	-6.5	-12.6	-18.5	-21.2	-24.0	-26.6	FAILURE
(1B)	2.2	4.8	6.7	7.7	8.6	9.2	
(1C)	2.5	5.3	8.1	9.5	11.2	13.0	
(2A)	-7.0	-14.5	-22.3	-26.0	-29.8	-33.3	
(2B)	2.3	4.3	5.5	6.0	6.5	7.0	
(2C)	1.8	4.1	6.5	7.6	8.7	9.6	
(3A)	-8.5	-16.0	-22.4	-25.3	-28.5	-31.4	
(3B)	1.1	3.2	5.5	6.8	7.9	9.1	
(3C)	2.9	5.5	7.6	8.6	9.7	10.5	
(4A)	-7.4	-15.0	-22.1	-25.4	-28.6	-31.5	
(4B)	2.3	4.8	7.1	8.3	9.5	10.9	
(4C)	2.2	4.8	7.0	8.1	9.6	12.2	
(5A)	-8.1	-14.8	-20.8	-23.7	-26.5	-29.2	
(5B)	1.0	2.7	5.5	7.0	8.5	10.2	
(5C)	3.1	5.8	8.3	9.6	10.9	12.4	
(6A)	-7.1	-14.9	-22.5	-26.5	-30.5	-34.7	
(6B)	2.3	3.6	5.8	6.8	7.9	9.1	
(6C)	2.2	4.7	7.0	8.4	9.6	9.6	
(7A)	-7.5	-15.0	-21.5	-24.7	-27.7	-30.3	
(7B)	1.5	3.6	5.5	6.3	7.2	8.2	
STRAIN GAGE (7C)	2.5	5.3	7.9	9.2	10.5	11.8	

STRAIN GAGE OUTPUT—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-2-U-4-CS
FLUTED TUBULAR—HIGH LOAD



STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2A-2-U-4-CS



NOTE: STRAIN FACTOR
= 99.1 $\mu\epsilon$ /DIVISION

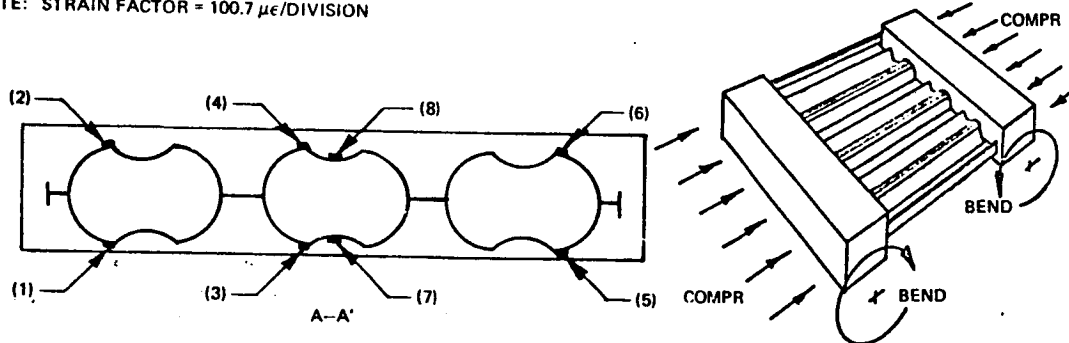
Figure A1-31: STRAIN GAGE DATA—PANEL 2A-2-U-4-CS

COMPRESSION BENDING*	APPLIED LOAD (POUNDS)								
	8,000 40	16,060 80	23,960 120	32,080 160	36,100 180	40,080 200	44,040 220	48,080 240	50,000 250
STRAIN GAGE (1)	-8.5	-16.0	-25.0	-35.5	-41.4	-48.2	-55.7	-66.0	FAILURE
(2)	-1.0	-2.3	-4.5	-4.7	-4.4	-3.4	-2.0	0	
(3)	-7.0	-14.5	-23.5	-34.1	-40.0	-47.0	-55.0	-65.4	
(4)	-0.5	-1.6	-1.8	-1.5	-1.5	-1.0	0.5	+2.4	
(5)	-8.7	-17.5	-27.0	-37.6	-42.8	-49.0	-56.5	-66.5	
(6)	-1.0	-2.5	-3.0	-2.9	-2.7	-2.4	-0.7	1.5	
(7)	-6.1	-12.8	-20.0	-27.9	-31.7	-36.0	-39.9	-42.9	
STRAIN GAGE (8)	-1.4	-3.5	-4.4	-5.5	-6.5	-6.8	-6.4	-5.5	

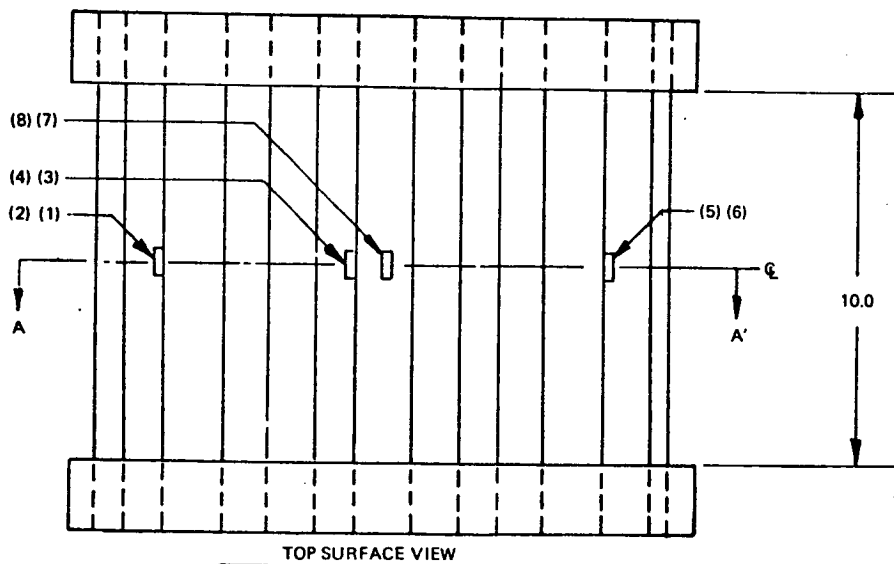
STRAIN GAGE OUTPUT - SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-2-U-6-CB
FLUTED TUBULAR-HIGH LOAD

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

NOTE: STRAIN FACTOR = $100.7 \mu\epsilon/\text{DIVISION}$

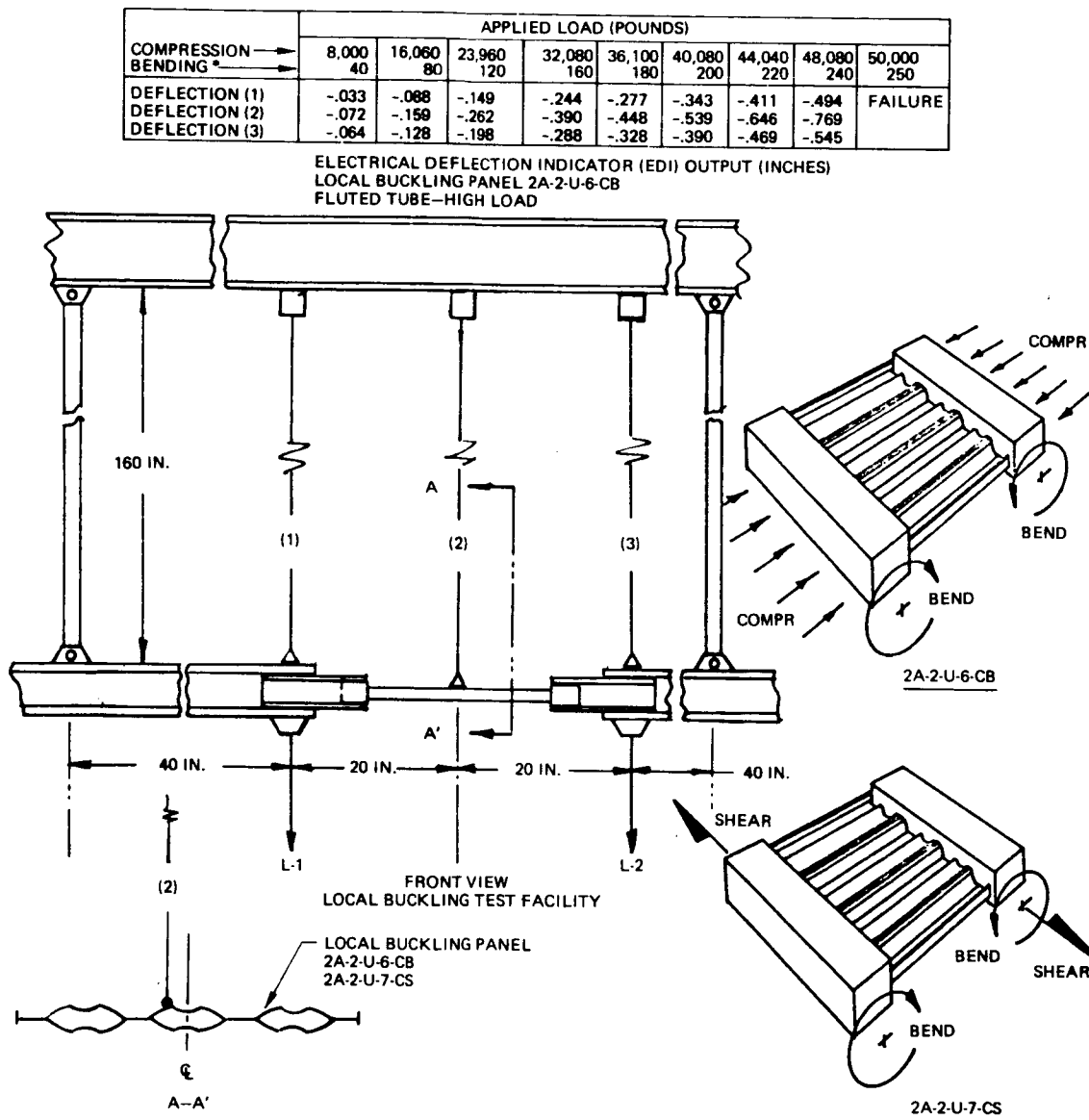


2A-2-U-6-CB



STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2A-2-U-6-CB

Figure A1- 32: STRAIN GAGE DATA-PANEL 2A-2-U-6-CB



* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

	APPLIED LOAD (POUNDS)							
SHEAR	2,020	4,000	6,000	8,000	10,000	11,980	13,000	13,500
BENDING*	100	200	300	400	500	600	650	663
DEFLECTION (1)	-.126	-.237	-.339	-.445	-.551	-.669	-.719	FAILURE
DEFLECTION (2)	-.214	-.389	-.519	-.672	-.832	-.996	-1.073	
DEFLECTION (3)	-.169	-.281	-.379	-.489	-.602	-.714	-.768	

ELECTRICAL DEFL. INDICATOR (EDI) OUTPUT (INCHES)
LOCAL BUCKLING PANEL 2A-2-U-7-CS
FLUTED TUBULAR-HIGH LOAD

Figure A1-33: DEFLECTION DATA-PANELS 2A-2-U-6-CB, -7-CS

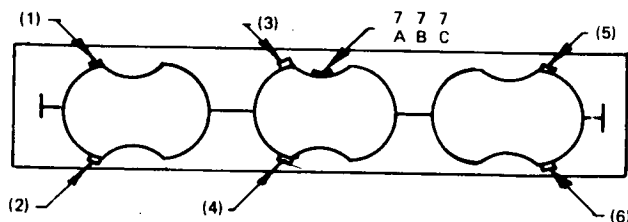
SHEAR BENDING*	APPLIED LOAD (POUNDS)							
	2,020 100	4,000 200	6,000 300	8,000 400	10,000 500	11,980 600	13,000 650	13,500 663
STRAIN GAGE (1)	-5.0	-10.7	-16.5	-22.0	-28.0	-34.0	-36.0	FAILURE
(2)	4.9	10.5	16.1	21.6	27.4	33.6	36.6	
(3)	-3.0	-7.6	-12.6	-17.5	-23.0	-28.3	-30.7	
(4)	7.3	13.9	20.0	26.1	32.4	39.0	42.0	
(5)	-6.9	-13.1	-19.5	-25.9	-32.2	-38.6	-41.5	
(6)	7.1	13.9	20.5	26.9	33.2	39.8	43.0	
(7A)	-5.5	-10.9	-16.2	-21.5	-26.6	-31.6	-34.4	
(7B)	-1.5	-4.5	-7.6	-10.9	-14.0	-16.9	-18.1	
STRAIN GAGE (7C)	4.1	7.5	10.5	13.7	16.9	20.1	21.9	

NOTE: GAGES (1), (2), (3), (4), (5) & (6) (UNIAXIAL)
INDICATED STRAIN = 100.7 $\mu\epsilon$ /DIVISION

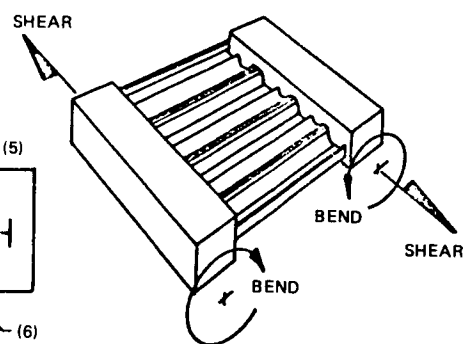
GAGE (7) (ROSETTE)
INDICATED STRAIN = 99.06 $\mu\epsilon$ /DIVISION

* FOR BENDING MOMENT (IN.-LB.)
MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

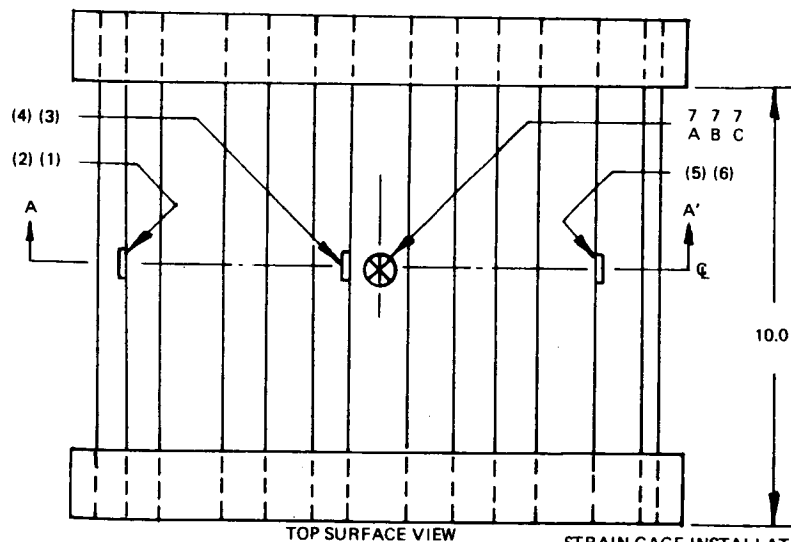
STRAIN GAGE OUTPUT—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-2-U-7-BS
FLUTED TUBULAR—HIGH LOAD



A-A'

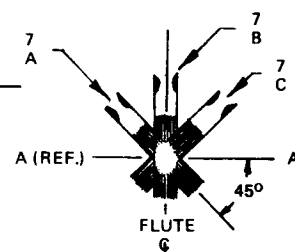


2A-2-U-7-BS



TOP SURFACE VIEW

STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2A-2-U-7-BS
FLUTED TUBULAR—HIGH LOAD



ROSETTE DETAIL

Figure A1-34: STRAIN GAGE DATA—PANEL 2A-2-U-7-BS

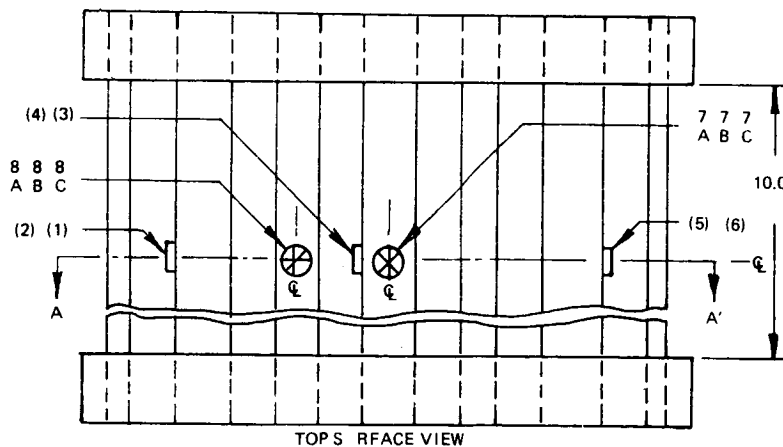
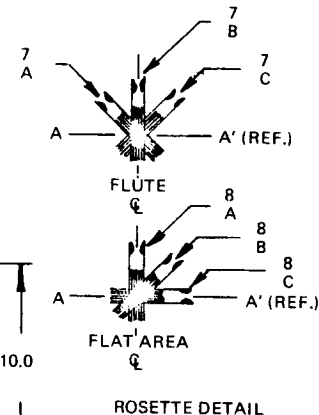
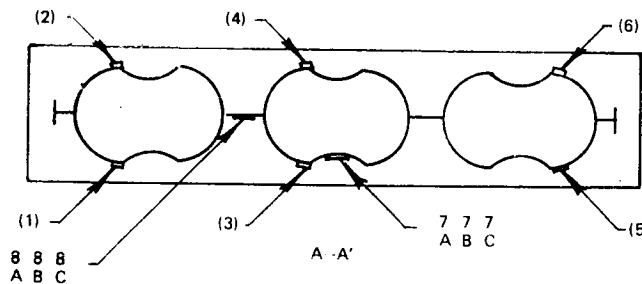
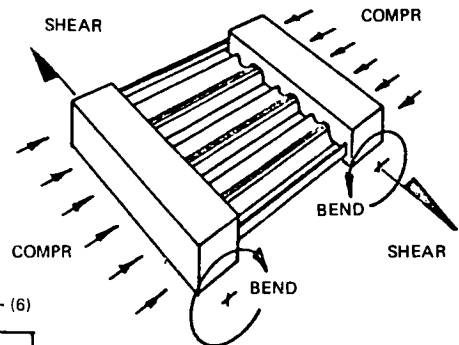
	APPLIED LOAD (POUNDS)							
	8,000	16,000	24,040	28,010	32,020	34,010	35,010	36,000
COMPRESSION →								
SHEAR →	1,590	3,200	4,790	5,590	6,400	6,800	6,990	7,200
BENDING* →	80	160	240	280	320	340	350	360
STRAIN GAGE (1)	-10.4	-21.8	-34.7	-42.2	-50.5	-54.8	-57.5	FAILURE
(2)	0.1	1.1	3.1	5.0	7.0	8.0	8.8	
(3)	-8.8	-19.4	-31.5	-38.3	-46.1	-50.3	-53.0	
(4)	1.1	2.7	5.1	7.0	9.0	10.1	11.1	
(5)	-10.4	-22.3	-35.4	-42.7	-51.0	-55.5	-58.7	
(6)	0.4	2.0	4.5	6.4	8.5	9.9	10.8	
(7A)	-6.5	-13.2	-20.1	-23.6	-27.5	-29.5	-30.9	
(7B)	-7.7	-16.6	-25.6	-30.1	-34.7	-37.0	-38.0	
(7C)	0.9	0.7	0.5	0.5	0.5	0.5	0.6	
(8A)	-4.1	-9.0	-14.0	-16.5	-19.1	-20.5	-21.1	
(8B)	1.2	2.5	3.6	4.3	4.9	5.0	5.0	
(8C)	1.4	3.0	4.6	5.3	6.0	6.2	6.4	

STRAIN GAGE OUTPUT--SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-2-U-9-CBS
FLUTED TUBULAR--HIGH LOAD

NOTE: GAGES (1), (2), (3), (4), (5), (6) (UNIAXIAL)
INDICATED STRAIN = 100.7 $\mu\epsilon$ /DIVISION

GAGES (7) & (8) (ROSETTE)
INDICATED STRAIN = 99.06 $\mu\epsilon$ /DIVISION

* FOR BENDING MOMENT (IN.-LB.)
MULTIPLY BENDING LOAD (LB.) X 40 (IN.)



TOP SURFACE VIEW
STRAIN GAGE INSTALLATION
LOCAL BUCKLING PANEL 2A-2-U-9-CBS

Figure A1-35: STRAIN GAGE DATA--PANEL 2A-2-U-9-CBS

	APPLIED LOAD (POUNDS)							
COMPRESSION →	8,000	16,000	24,040	28,010	32,020	34,010	35,010	36,000
SHEAR →	1,590	3,200	4,790	5,590	5,590	6,800	6,990	7,200
BENDING* →	80	160	240	280	280	340	350	360
DEFLECTION (1)	-.043	-.159	-.286	-.358	-.441	-.484	-.513	FAILURE
DEFLECTION (2)	-.082	-.242	-.421	-.524	-.647	-.706	-.749	
DEFLECTION (3)	-.076	-.184	-.317	-.385	-.467	-.510	-.537	

ELECTRICAL DEFLECTION INDICATOR (EDI) OUTPUT (INCHES)
LOCAL BUCKLING PANEL 2A-2-U-9-CBS

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

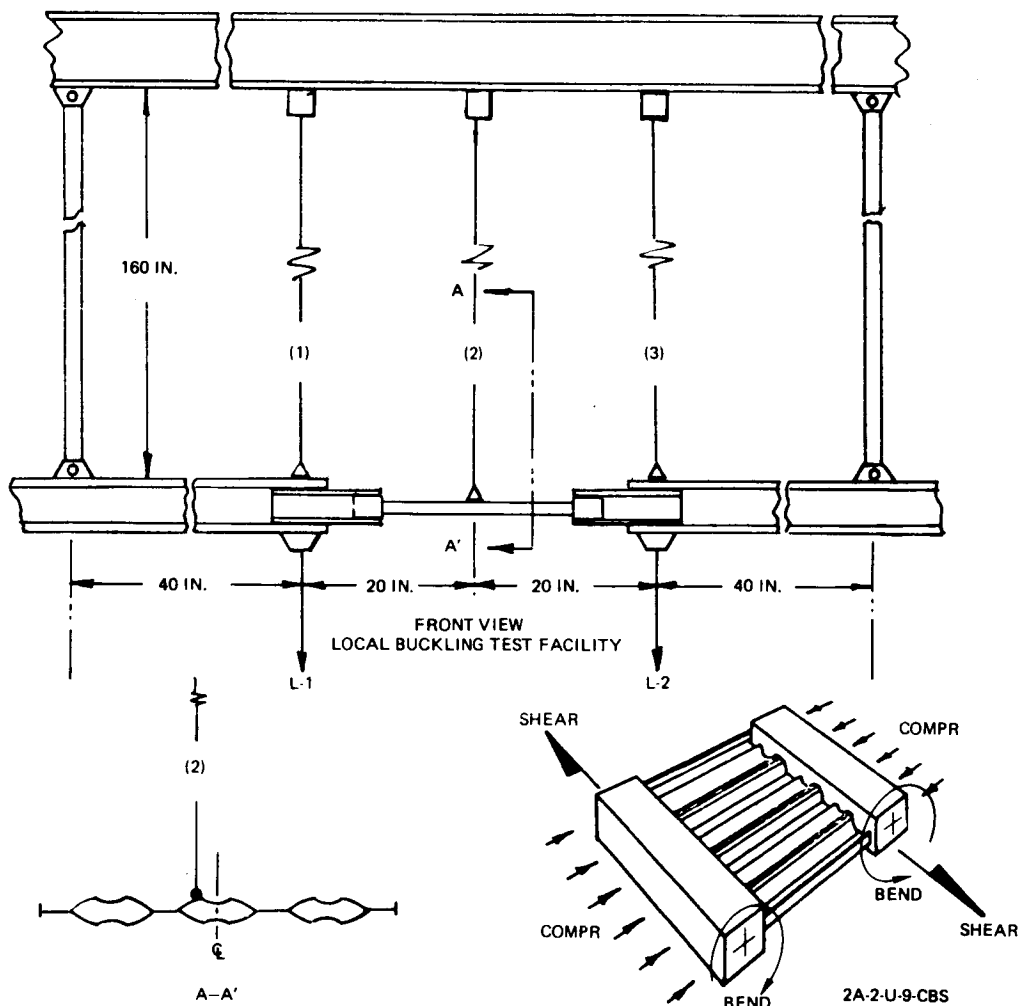


Figure A1-36: DEFLECTION DATA-PANEL 2A-2-U-9-CBS

BENDING* →	APPLIED LOAD (POUNDS)						
	200	400	600	700	800	900	967
STRAIN GAGE (1)	-12.4	-25.8	-39.9	-47.2	-55.0	-64.0	FAILURE
(2)	12.2	24.8	37.0	43.1	49.0	54.1	
(3)	-12.7	-26.2	-40.7	-48.5	-56.5	-65.8	
(4)	11.9	24.0	36.0	42.1	48.3	54.5	
(5)	-11.9	-24.7	-38.2	-45.5	-53.3	-62.2	
(6)	12.0	24.0	35.8	41.8	47.8	54.0	
(7)	-11.8	-24.4	-35.3	-40.4	-45.0	-48.6	
(8)	12.5	26.0	40.5	47.5	54.8	60.0	
(9)	-12.0	-24.0	-34.5	-39.3	-43.7	-47.1	
(10)	12.5	25.7	39.0	46.0	50.6	57.3	
(11)	-11.1	-21.5	-31.3	-36.0	-40.0	-43.6	
(12)	12.1	24.5	37.3	44.2	50.8	57.6	
(13)	-11.0	-22.3	-32.2	-36.8	-40.8	-44.0	
STRAIN GAGE (14)	11.3	23.2	29.4	29.2	24.3	26.5	

STRAIN GAGE OUTPUT—SPEEDOMAX DIVISIONS
LOCAL BUCKLING PANEL 2A-2-U-10-B

NOTE: INDICATED STRAIN FACTOR = $100.7 \mu\epsilon/\text{DIVISION}$

* FOR BENDING MOMENT (IN.-LB.) MULTIPLY BENDING LOAD (LB.) X 40 (IN.)

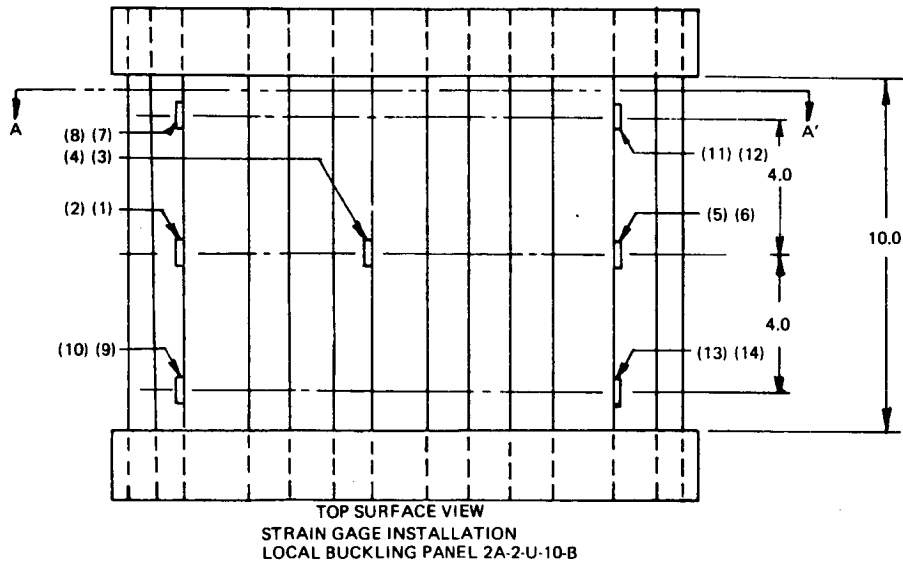
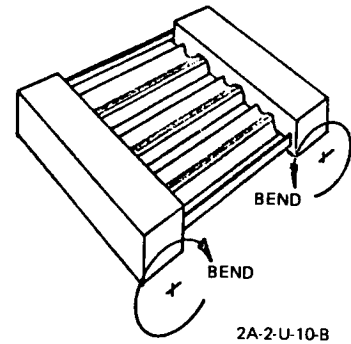
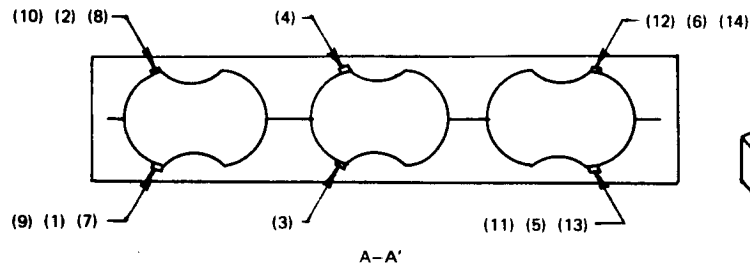


Figure A1- 37: STRAIN GAGE DATA—PANEL 2A-2-U-10-B

APPENDIX A2
Local Buckling Test Data

This appendix contains panel test data for the four panel configurations shown in Figure A2-1. This figure is an index to the appendix and identifies test data summary tables for each panel. These tables follow Figure A2-1 and summarize figures which present tabulated transducer data for selected tests. These data are the basis for the results presented in this document and in References 7 and 8.

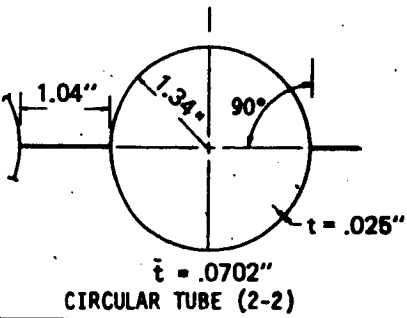
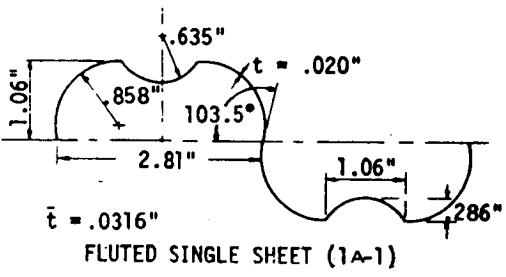
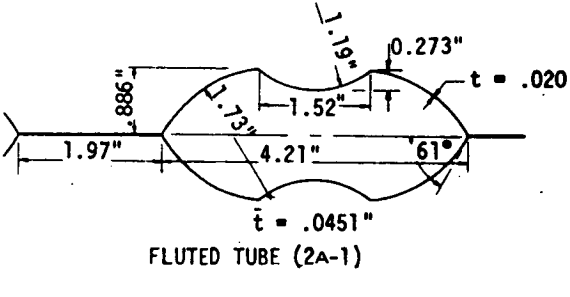
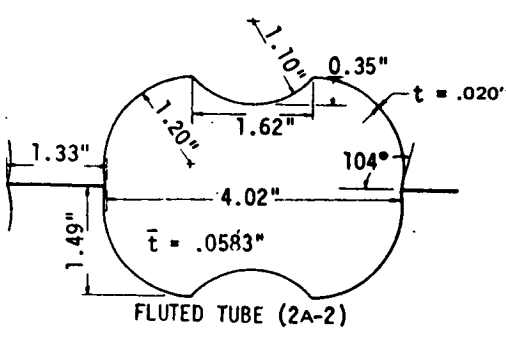
MAJOR PANEL TEST SPECIMENS	PANEL CONFIGURATION	TEST DATA SUMMARY LOCATED ON:
2-2-P-1-CBS 2-2-P-2-CBS 2-2-P-3-CBS	 <p style="text-align: center;">$\bar{t} = .0702''$ CIRCULAR TUBE (2-2)</p>	TABLE A2-1 TABLE A2-2 TABLE A2-3
1A-1-P-1-CBS 1A-1-P-2-CBS	 <p style="text-align: center;">$\bar{t} = .0316''$ FLUTED SINGLE SHEET (1A-1)</p>	TABLE A2-4 TABLE A2-5
2A-1-P-1-CBS 2A-1-P-1M-CBS	 <p style="text-align: center;">$\bar{t} = .0451''$ FLUTED TUBE (2A-1)</p>	TABLE A2-6 TABLE A2-7
2A-2-P-1-CBS 2A-2-P-1M-CBS 2A-2-P-2-CBS 2A-2-P-3-CBS	 <p style="text-align: center;">$\bar{t} = .0583''$ FLUTED TUBE (2A-2)</p>	TABLE A2-8 TABLE A2-8 TABLE A2-9 TABLE A2-10

Figure A2-1:

INDEX
PANEL STRAIN AND DEFLECTION DATA

Table A2-1: DATA SUMMARY – PANEL 2-2-P-1-CBS

LOAD CONDITION* 2-2-P-1-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-2
<div> <div>1</div> <div>11</div> <div>21</div> <div>31</div> </div>	120.0 222.4 250.2 261.6	0 ↓ 0	0 ↓ 0	AVG. STRAIN VS. LOAD: Figure A2-7 TABULATED TRANSDUCER DATA: Figure A2-3
<div> <div>2</div> <div>12</div> <div>22</div> </div>	0 0 0	15.0 21.6 24.4	0 0 0	TABULATED TRANSDUCER DATA: Figure A2-4
<div> <div>3</div> <div>13</div> <div>23</div> </div>	120.0 140.8 158.4	9.0 11.12 12.51	0 0 0	AVG. STRAIN VS. LOAD: Figure A2-8
<div> <div>4</div> <div>14</div> <div>24</div> <div>34</div> <div>44</div> <div>54</div> </div>	80.0 105.6 118.8 145.2 158.4 210.9	10.56 13.92 15.68 19.14 20.88 27.84	0 ↓ 0	AVG. STRAIN VS. LOAD: Figure A2-9 FAILURE – TABULATED TRANSDUCER DATA: Figure A2-5
<div> <div>5</div> <div>15</div> </div>	120.0 187.2	0 0	1.00 1.00	
<div> <div>6</div> <div>16</div> </div>	100.0 160.0	0 0	2.00 2.00	
<div> <div>7</div> <div>17</div> <div>27</div> </div>	0 0 0	15.0 19.76 22.23	1.00 1.00 1.00	
<div> <div>8</div> <div>18</div> <div>28</div> </div>	0 0 0	15.0 17.92 20.16	2.00 2.00 2.00	
<div> <div>9</div> <div>19</div> <div>29</div> </div>	100.0 120.0 135.0	7.90 9.48 10.62	1.00 1.00 1.00	
<div> <div>10</div> <div>20</div> <div>30</div> </div>	100.0 102.4 115.2	7.90 8.09 9.09	2.00 2.00 2.00	DESIGN CONDITION – TABULATED TRANSDUCER DATA: Figure A2-6

* SEE SECTION 35.0 FOR LOAD CONDITIONS

Table A2-2: DATA SUMMARY – PANEL 2-2-P-2-CBS

LOAD CONDITION 2-2-P-2-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-10
① ⑪	250.2 261.3	0 0	0 0	AVG. STRAIN VS. LOAD: Figure A2-13 FAILURE – TABULATED TRANSDUCER DATA: Figure A2-11
② ⑫ ⑳	0 0 0	24.3 27.0 29.7	0 0 0	AVG. STRAIN VS. LOAD: Figure A2-20
③ ⑬ ㉓	158.4 176.0 193.6	12.51 13.90 15.30	0 0 0	AVG. STRAIN VS. LOAD: Figure A2-14 Figure A2-21
④ ⑭ ㉔	118.8 132.0 145.2	15.68 17.40 19.14	0 0 0	AVG. STRAIN VS. LOAD: Figure A2-15 Figure A2-22
⑤	210.6	0	1.00	AVG. STRAIN VS. LOAD: Figure A2-16
⑥	180.0	0	2.00	AVG. STRAIN VS. LOAD: Figure A2-17
⑦ ⑰ ㉗	0 0 0	22.23 24.70 27.17	1.00 1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-23
⑧ ⑱ ㉘	0 0 0	20.16 22.40 24.64	2.00 2.00 2.00	AVG. STRAIN VS. LOAD: Figure A2-24
⑨ ⑲ ㉙	135.0 150.0 165.0	10.62 11.80 12.98	1.00 1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-18 Figure A2-25
⑩ ㉚ ㉛	115.2 128.0 140.8	9.09 10.10 11.11	2.00 2.00 2.00	AVG. STRAIN VS. LOAD: Figure A2-19 Figure A2-26 DESIGN CONDITION – TABULATED TRANSDUCER DATA: Figure A2-12

Table A2-3: DATA SUMMARY – PANEL 2-2-P-3-CBS

LOAD CONDITION 2-2-P-3-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-27
① ⑪	222.4 250.2	0 0	0 0	AVG. STRAIN VS. LOAD: Figure A2-30
② ⑫	0 0	24.3 35.1	0 0	AVG. STRAIN VS. LOAD: Figure A2-37 FAILURE – TABULATED TRANSDUCER DATA: Figure A2-29
③ ⑬	207.0 230.0	16.38 18.20	0 0	AVG. STRAIN VS. LOAD: Figure A2-31 Figure A2-38
④ ⑭	156.8 165.0	20.71 21.80	0 0	AVG. STRAIN VS. LOAD: Figure A2-32 Figure A2-39
⑤ ⑮	187.2 229.3	0 0	1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-33 EDGE FAILURE
⑥	160.0	0	2.00	AVG. STRAIN VS. LOAD: Figure A2-34
⑦	0	25.03	1.00	AVG. STRAIN VS. LOAD: Figure A2-40
⑧	0	22.67	2.00	AVG. STRAIN VS. LOAD: Figure A2-41
⑨	194.1	15.62	1.00	AVG. STRAIN VS. LOAD: Figure A2-35 Figure A2-42
⑩	181.0	14.30	2.00	DESIGN CONDITION – TABULATED TRANSDUCER DATA: Figure A2-28 AVG. STRAIN VS. LOAD: Figure A2-36 Figure A2-43

Table A2-4: DATA SUMMARY – PANEL 1A-1-P-1-CBS

LOAD CONDITION 1A-1-P-1-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-44
① ⑪	101.9 112.0	0 0	0 0	AVG. STRAIN VS. LOAD: Figure A2-47 TABULATED TRANSDUCER DATA: Figure A2-45
② ⑫	0 0	4.36 8.50	0 0	AVG. STRAIN VS. LOAD: Figure A2-54
③ ⑬	76.7 100.4	3.41 4.46	0 0	AVG. STRAIN VS. LOAD: Figure A2-48 Figure A2-55
④ ⑭	57.0 84.9	4.24 6.31	0 0	AVG. STRAIN VS. LOAD: Figure A2-49 Figure A2-56
⑤ ⑮	96.8 114.4	0 0	0.50 0.50	AVG. STRAIN VS. LOAD: Figure A2-50
⑥ ⑯	85.8 109.2	0 0	1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-51
⑦ ⑰	0 0	4.36 8.17	0.50 0.50	AVG. STRAIN VS. LOAD: Figure A2-57
⑧ ⑱	0 0	4.36 8.72	1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-58
⑨ ⑲	62.2 77.7	4.62 5.77	0.50 0.50	AVG. STRAIN VS. LOAD: Figure A2-52 Figure A2-59
⑩ ⑳	62.2 80.8	4.62 6.01	1.00 1.00	DESIGN CONDITION FAILURE – TABULATED TRANSDUCER DATA: Figure A2-46 AVG. STRAIN VS. LOAD: Figure A2-53 Figure A2-60

Table A2-5: DATA SUMMARY – PANEL 1A-1-P-2-CBS

LOAD CONDITION 1A-1-P-2-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2- 61
① ⑪	103.5 118.6	0 0	0 0	AVG. STRAIN VS. LOAD: Figure A2- 64
② ⑫ ⑳	0 0 0	8.40 9.52 10.38	0 0 0	AVG. STRAIN VS. LOAD: Figure A2- 71 TABULATED TRANSDUCER DATA: Figure A2- 62
③	80.9	5.11	0	AVG. STRAIN VS. LOAD: Figure A2- 65 Figure A2- 72
④ ⑭ ㉔	56.4 63.9 64.7	5.94 6.73 6.81	0 0 0	AVG. STRAIN VS. LOAD: Figure A2- 66 Figure A2- 73
⑤	102.1	0	0.50	AVG. STRAIN VS. LOAD: Figure A2- 67
⑥	90.0	0	1.00	AVG. STRAIN VS. LOAD: Figure A2- 68
⑦ ⑰	0 0	8.40 9.68	0.50 0.50	AVG. STRAIN VS. LOAD: Figure A2- 74
⑧	0	8.96	1.00	AVG. STRAIN VS. LOAD: Figure A2- 75
⑨	56.4 64.8	5.94 6.85	0.50 0.50	AVG. STRAIN VS. LOAD: Figure A2- 69 Figure A2- 76
⑩ ㉒	63.9 72.9	6.73 7.51	1.00 1.00	DESIGN CONDITION FAILURE – TABULATED TRANSDUCER DATA: Figure A2- 63 AVG. STRAIN VS. LOAD: Figure A2- 70 Figure A2- 77

Table A2-6: DATA SUMMARY – PANEL 2A-1-P-1-CBS

LOAD CONDITION 2A-1-P-1-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-78
<div> <div>1</div> <div>11</div> <div>21</div> <div>31</div> </div>	50.50 70.70 70.70 84.84	0 0 0 0	0 0 0 0	AVG. STRAIN VS. LOAD: Figure A2-81 FAILURE – ELASTIC INSTABILITY AT 74% LOAD TRANSDUCER DATA: Figure A2-79
<div> <div>2</div> <div>12</div> <div>22</div> </div>	0 0 0	10.66 10.81 10.61	0 0 0	AVG. STRAIN VS. LOAD: Figure A2-88 TABULATED TRANSDUCER DATA: Figure A2-80
<div> <div>3</div> <div>13</div> </div>	67.24 66.78	4.22 4.07	0 0	AVG. STRAIN VS. LOAD: Figure A2-82 Figure A2-89
<div> <div>4</div> <div>14</div> </div>	52.09 62.04	5.23 6.26	0 0	AVG. STRAIN VS. LOAD: Figure A2-83 Figure A2-90
<div> <div>5</div> <div>15</div> </div>	39.20 51.74	5.93 7.83	0 0	AVG. STRAIN VS. LOAD: Figure A2-84 Figure A2-91
<div> <div>6</div> <div>16</div> </div>	36.60 45.21	0 0	1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-85
<div> <div>7</div> <div>17</div> <div>27</div> </div>	0 0 0	9.61 10.77 10.38	1.00 1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-92
<div> <div>8</div> </div>	NO LOAD APPLICATION			
<div> <div>9</div> <div>19</div> <div>29</div> </div>	44.60 54.72 53.52	4.50 5.58 5.41	0.50 0.50 0.50	AVG. STRAIN VS. LOAD: Figure A2-86 Figure A2-93
<div> <div>10</div> <div>20</div> <div>30</div> </div>	32.04 32.04 28.48	3.23 3.23 2.88	1.00 1.00 1.00	AVG. STRAIN VS. LOAD: Figure A2-87 Figure A2-94

Table A2-7: DATA SUMMARY – PANEL 2A-1-P-1M-CBS

LOAD CONDITION 2A-1-P-1M-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-78
①	85.90	0	0	AVG. STRAIN VS. LOAD: Figure A2-98 TABULATED TRANSDUCER DATA: Figure A2-95
②	0	13.84	0	AVG. STRAIN VS. LOAD: Figure A2-104 TABULATED TRANSDUCER DATA: Figure A2-96
③	82.49	5.02	0	AVG. STRAIN VS. LOAD: Figure A2-99 Figure A2-105
④	77.08	7.77	0	AVG. STRAIN VS. LOAD: Figure A2-100 Figure A2-106
⑤	58.80	8.90	0	AVG. STRAIN VS. LOAD: Figure A2-101 Figure A2-107
⑥	65.88	0	1.00	AVG. STRAIN VS. LOAD: Figure A2-102
⑦	0	14.99	1.00	AVG. STRAIN VS. LOAD: Figure A2-108
⑧	NO LOAD APPLICATION			
⑨	NO LOAD APPLICATION			
⑩	71.20	7.19	1.00	FAILURE – TABULATED TRANSDUCER DATA: Figure A2-97 AVG. STRAIN VS. LOAD: Figure A2-103 Figure A2-109

Table A2-8: DATA SUMMARY – PANEL 2A-2-P-1-CBS, 2A-2-P-1M-CBS

LOAD CONDITION	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2-110
① 2A-2-P-1	119.1	0	0	TABULATED TRANSDUCER DATA: Figure A2-111
① 2A-2-P-1M	143.04	0	0	TABULATED TRANSDUCER DATA: Figure A2-112 AVG. STRAIN VS. LOAD: Figure A2-116
② 2A-2-P-1	0	16.05	0	TABULATED TRANSDUCER DATA: Figure A2-113
② 2A-2-P-1M	0	19.27	0	TABULATED TRANSDUCER DATA: Figure A2-114 AVG. STRAIN VS. LOAD: Figure A2-123
③ 2A-2-P-1M	136.3	9.59	0	AVG. STRAIN VS. LOAD: Figure A2-117 Figure A2-124
④ 2A-2-P-1M	110.1	12.84	0	AVG. STRAIN VS. LOAD: Figure A2-118 Figure A2-125
⑤ 2A-2-P-1M	128.6	0	1.00	AVG. STRAIN VS. LOAD: Figure A2-119
⑥ 2A-2-P-1M	126.4	0	2.00	AVG. STRAIN VS. LOAD: Figure A2-120
⑦ 2A-2-P-1M	0	17.02	1.00	AVG. STRAIN VS. LOAD: Figure A2-126
⑧ 2A-2-P-1M	0	16.36	2.00	AVG. STRAIN VS. LOAD: Figure A2-127
⑨ 2A-2-P-1M	136.3	9.59	1.00	AVG. STRAIN VS. LOAD: Figure A2-121 Figure A2-128
⑩ 2A-2-P-1M	136.0	9.80	2.00	FAILURE – TABULATED TRANSDUCER DATA: Figure A2-115 AVG. STRAIN VS. LOAD: Figure A2-122 Figure A2-129

Table A2-9: DATA SUMMARY – PANEL 2A-2-P-2M-CBS

LOAD CONDITION 2A-2-P-2-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2- 130
① ⑪	131.0 178.6	0 0	0 0	AVG. STRAIN VS. LOAD: Figure A2–133 TABULATED TRANSDUCER DATA: Figure A2–131
② ⑫ ⑫⑫	0 0 0	24.08 27.29 30.50	0 0 0	AVG. STRAIN VS. LOAD: Figure A2–136 FAILURE – TABULATED TRANSDUCER DATA: Figure A2–132
③	113.2	7.99	0	AVG. STRAIN VS. LOAD: Figure A2–134 Figure A2–137
④	120.1	14.01	0	AVG. STRAIN VS. LOAD: Figure A2–135 Figure A2–138

Table A2-10: DATA SUMMARY – PANEL 2A-2-P-3M-CBS

LOAD CONDITION 2A-2-P-3-CBS	MAXIMUM APPLIED LOADS			REMARKS
	COMPRESSION KIPS	SHEAR KIPS	PRESSURE PSI	STRAIN GAGE INSTALLATION Figure A2- 139
① ⑪ ⑳	140.9 214.4 219.9	0 0 0	0 0 0	AVG. STRAIN VS. LOAD: Figure A2-143 FAILURE – TABULATED TRANSDUCER DATA: Figure A2-140
② ⑫	0 0	24.08 28.90	0 0	AVG. STRAIN VS. LOAD: Figure A2-150 TABULATED TRANSDUCER DATA: Figure A2- 141
③	158.4	11.19	0	AVG. STRAIN VS. LOAD: Figure A2-144 Figure A2-151
④	150.2	17.51	0	AVG. STRAIN VS. LOAD: Figure A2-145 Figure A2-152
⑤	154.8	0	1.00	AVG. STRAIN VS. LOAD: Figure A2- 146
⑥	149.4	0	2.00	AVG. STRAIN VS. LOAD: Figure A2-147
⑦	0	21.82	1.00	AVG. STRAIN VS. LOAD: Figure A2-153
⑧	0	23.94	2.00	AVG. STRAIN VS. LOAD: Figure A2-154
⑨	154.6	10.82	1.00	AVG. STRAIN VS. LOAD: Figure A2-148 Figure A2-155
⑩	175.2	12.41	2.00	DESIGN CONDITION – TABULATED TRANSDUCER DATA: Figure A2- 142 AVG. STRAIN VS. LOAD: Figure A2-149 Figure A2-156

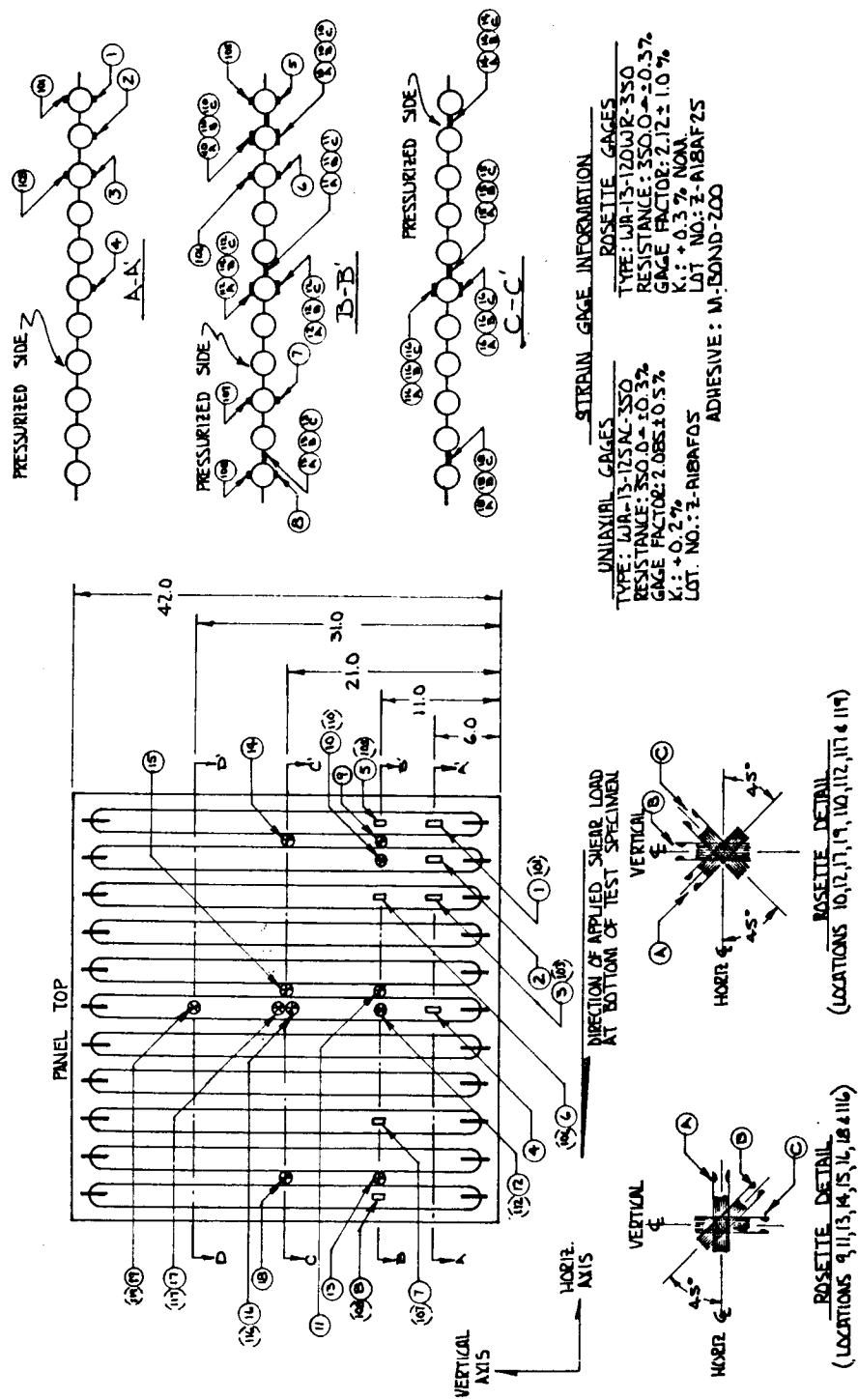


Figure A2-2: STRAIN GAGE INSTALLATION—PANEL NO. 2-2-P-1

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR1A UE X .1	SG1H UE X .1	SR9C UE X .1	SG11A UE X .1	SG11B UE X .1	SG11C UE X .1
08/14/04/10	GR +50.000	+62.211	-58.087	-191.21	+67.632	-71.290	-200.16
08/14/05/47	GR +70.000	+86.293	-81.132	-263.11	+92.669	-98.211	-286.05
08/14/07/19	GR +80.000	+88.836	-92.654	-300.59	+105.18	-111.17	-324.99
08/14/09/27	GR +85.000	+105.86	-97.163	-318.03	+110.69	-117.65	-343.46
08/14/11/57	GR +90.000	+111.88	-102.67	-336.08	+116.70	-125.13	-361.94
08/14/14/17	GR +92.000	+113.88	-104.67	-341.99	+118.20	-127.62	-368.43
08/14/18/20	GR +94.000	+116.89	-106.18	-348.98	+120.20	-130.11	-375.92
08/14/27/56	GR +0.0000	-1.0034	-4.7509	+50146	+96337	-99999	+202734
EOF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR13A UE X .1	SG13H UE X .1	SR13C UE X .1	SG14A UE X .1	SG14B UE X .1	SG14C UE X .1
08/14/04/10	GR +50.000	+63.375	-60.204	-187.09	+61.900	-54.420	-177.97
08/14/05/47	GR +70.000	+88.826	-83.989	-260.19	+85.800	-75.888	-245.27
08/14/07/19	GR +80.000	+101.80	-94.536	-297.01	+98.000	-86.373	-288.67
08/14/09/27	GR +85.000	+107.78	-100.50	-313.93	+104.700	-91.366	-297.12
08/14/11/57	GR +90.000	+114.77	-106.47	-331.84	+111.700	-96.857	-314.07
08/14/14/17	GR +92.000	+116.77	-108.46	-338.31	+113.700	-98.859	-320.05
08/14/18/20	GR +94.000	+119.26	-110.95	-345.77	+116.700	-100.85	-326.54
08/14/27/56	GR +0.0000	+0.0000	+4.9804	+52587	+99999	+50000	+1.0000
EOF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UE X .1	SG15B UE X .1	SG15C UE X .1	SG16A UE X .1	SG16B UE X .1	SG16C UE X .1
08/14/04/10	GR +50.000	+61.878	-60.673	-196.39	+71.133	-79.389	-218.50
08/14/05/47	GR +70.000	+83.336	-83.063	-268.18	+99.174	-105.84	-306.50
08/14/07/19	GR +80.000	+94.315	-94.507	-304.57	+115.19	-122.81	-356.50
08/14/09/27	GR +85.000	+98.307	-99.980	-322.02	+123.71	-132.30	-382.50
08/14/11/57	GR +90.000	+102.79	-106.44	-339.47	+133.72	-142.29	-411.50
08/14/14/17	GR +92.000	+104.29	-108.03	-345.09	+137.23	-146.78	-423.50
08/14/18/20	GR +94.000	+105.29	-110.02	-352.03	+141.73	-151.77	-437.50
08/14/27/56	GR +0.0000	+99511	-4.6875	+0.2929	+52878	-1.8834	-750097
EOF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG116A UE X .1	SR116B UE X .1	SG116C UE X .1	SG18A UE X .1	SG18B UE X .1	SG18C UE X .1
08/14/04/10	GR +50.000	+60.234	-64.558	-192.37	+63.461	-63.800	-179.00
08/14/05/47	GR +70.000	+80.303	-85.921	-254.09	+85.611	-87.000	-248.50
08/14/07/19	GR +80.000	+89.835	-94.844	-281.54	+97.693	-98.000	-283.00
08/14/09/27	GR +85.000	+92.845	-98.342	-291.56	+102.72	-103.50	-300.00
08/14/11/57	GR +90.000	+95.855	-100.82	-299.08	+108.76	-109.50	-316.50
08/14/14/17	GR +92.000	+95.855	-100.82	-299.58	+110.78	-112.00	-323.00
08/14/18/20	GR +94.000	+95.855	-100.82	-300.08	+113.29	-114.00	-330.00
08/14/27/56	GR +0.0000	+52783	+1.0297	-2.0039	+6.0717	-50897	+8.0000
EOF							

Figure A2-3A: TABULATED TRANSDUCER DATA—PANEL 2-2-P-1—CONDITION 31
(100 PERCENT LOAD = 278 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG11VA UF X .1	SG11VB UF X .1	SG12A UF X .1	SG12C UF X .1	SG112A UF X .1	SG112C UF X .1	SG10A UF X .1
08/14/04/07	RM +50.000	-41.370	-32.460	-40.327	-52.741	-42.009	-46.432	-191.47
08/14/05/51	RM +70.000	-54.030	-41.968	-67.274	-72.643	-54.091	-59.052	-260.07
08/14/07/13	RM +80.000	-60.322	-45.968	-76.747	-83.892	-59.884	-65.983	-310.47
08/14/09/29	RM +85.000	-62.316	-46.968	-81.732	-89.043	-61.382	-68.304	-331.47
08/14/11/53	RM +90.000	-64.311	-47.968	-87.714	-95.033	-62.879	-69.807	-353.07
08/14/14/20	RM +92.000	-64.311	-47.968	-90.207	-97.023	-62.879	-70.896	-369.97
08/14/18/29	RM +94.000	-64.311	-47.968	-92.201	-100.00	-62.388	-70.366	-371.97
08/14/20/04	RM +0.0000	+0.0000	-1.4682	+0.2734	-1.0014	-1.4746	-1.9970	-4.9343
FCF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17B UF X .1	R4 LRS/UF	SG117A UF X .1	R5 LRS/UF	SG10B UF X .1	R6 LRS/UF	
08/14/04/11	RM +50.000	-210.42	+31.960	-189.41	+36.752	-191.60	+36.195	
08/14/05/50	RM +70.000	-307.47	+31.442	-249.23	+38.818	-288.08	+36.088	
08/14/07/17	RM +80.000	-357.74	+31.070	-275.65	+40.256	-309.51	+35.082	
08/14/09/25	RM +85.000	-383.61	+30.781	-285.63	+41.340	-330.48	+35.074	
08/14/11/56	RM +90.000	-412.42	+30.391	-292.60	+42.785	-352.95	+35.471	
08/14/14/16	RM +92.000	-425.91	+30.041	-293.60	+43.608	-361.94	+35.375	
08/14/18/26	RM +94.000	-438.89	+29.686	-293.60	+44.255	-371.42	+34.982	
08/14/20/01	RM +0.0000	+0.0000	+20.4724	-1.46624	-95.412	-1.47314	-94.428	
FCF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG110A UF X .1	R7 LRS/UF	SG110A UF X .1	SG110C UF X .1	SG1 UF X .1	SG101 UF X .1	
08/14/04/11	RM +50.000	-167.32	+41.386	-44.184	-39.900	-146.68	-139.46	
08/14/05/50	RM +70.000	-224.43	+43.187	-59.089	-50.500	-208.09	-184.45	
08/14/07/17	RM +80.000	-251.49	+44.395	-66.044	-55.500	-236.01	-200.31	
08/14/09/25	RM +85.000	-263.01	+44.897	-69.522	-57.000	-251.24	-211.02	
08/14/11/56	RM +90.000	-273.53	+45.264	-73.000	-58.000	-266.47	-231.21	
08/14/14/16	RM +92.000	-277.54	+46.132	-73.497	-58.500	-271.54	-234.77	
08/14/18/26	RM +94.000	-280.04	+46.398	-74.987	-58.000	-276.62	-238.34	
08/14/20/01	RM +0.0000	-1.5024	-29.736	-1.46386	-1.9999	+1.5249	+1.50870	
FCF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG2 UF X .1	SG3 UF X .1	SG103 UF X .1	SG4 UF X .1	SG5 UF X .1	SG105 UF X .1	
08/14/04/11	RM +50.000	-159.12	-164.82	-142.39	-164.50	-167.81	-166.77	
08/14/05/50	RM +70.000	-221.21	-231.91	-189.17	-234.97	-233.49	-226.78	
08/14/07/17	RM +80.000	-255.28	-267.88	-210.53	-270.50	-268.00	-258.31	
08/14/09/25	RM +85.000	-272.07	-286.21	-219.18	-288.70	-284.78	-272.45	
08/14/11/56	RM +90.000	-289.36	-300.87	-228.38	-307.05	-302.07	-288.79	
08/14/14/16	RM +92.000	-296.48	-310.92	-228.33	-315.68	-309.70	-291.87	
08/14/18/26	RM +94.000	-303.09	-322.88	-228.86	-323.79	-316.82	-307.47	
08/14/20/01	RM +0.0000	+1.5292	+2.6332	-1.51025	+0.0533	-1.8178	-1.80201	
FCF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG6 UF X .1	SG106 UF X .1	SG7 UF X .1	SG107 UF X .1	SG8 UF X .1	SG108 UF X .1	
08/14/04/11	RM +50.000	-205.45	-177.85	-191.40	-174.65	-177.97	-168.80	
08/14/05/50	RM +70.000	-287.32	-224.39	-273.55	-242.59	-241.86	-232.46	
08/14/07/17	RM +80.000	-333.60	-253.75	-314.66	-277.83	-275.53	-263.83	
08/14/09/25	RM +85.000	-357.50	-263.90	-334.96	-285.22	-291.86	-279.16	
08/14/11/56	RM +90.000	-382.94	-277.93	-358.79	-297.40	-309.21	-294.38	
08/14/14/16	RM +92.000	-393.61	-274.46	-365.93	-307.48	-315.33	-299.07	
08/14/18/26	RM +94.000	-404.29	-278.80	-375.06	-308.03	-321.07	-305.45	
08/14/20/01	RM +0.0000	-1.50878	-1.4990	-2.0102	-3.8195	+0.0000	+0.0000	
FCF								

Figure A2-3B : TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 31 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP PSIG X100	ED1 D1 INCHES X1000	ED1 D2 INCHES X1000	ED1 D3 INCHES X1000
08/14/04/10	GR +50.000	+60.251	+69.384	+0.00634	+0.0000	-24.419	+0.0000	-46.312
08/14/05/47	GR +70.000	+96.750	+97.138	+0.00639	+0.0000	-44.143	+0.0000	-44.441
08/14/07/19	GR +80.000	+110.942	+111.449	+0.00634	+0.0000	-61.987	+0.0000	-40.659
08/14/09/27	GR +85.000	+115.04	+115.449	+0.00639	+0.0000	-73.258	+0.0000	-40.659
08/14/11/57	GR +90.000	+125.19	+125.37	+0.00634	+0.0000	-88.285	+0.0000	-40.659
08/14/14/17	GR +92.000	+124.04	+124.24	+0.00634	+0.0000	-98.617	+0.0000	-40.659
08/14/16/20	GR +94.000	+134.41	+131.31	+0.00634	+0.0000	-108.94	+0.0000	-40.659
08/14/27/56	GR +0.0000	-1.44672	-1.47851	+0.00634	+0.0000	-2.8175	+0.0000	-19.556
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17B UE X .1	SG17A UE X .1	R1 LRS/UF	SG19M UF X .1	SG19R UE X .1	R2 LRS/UF	R13 KIP/UF
08/14/04/07	GR +50.000	-219.42	-187.41	+214.38	+192.87	-172.83	+349.58	+205.84
08/14/05/51	GR +70.000	-307.49	-248.73	+164.69	+268.52	-229.04	+250.81	+214.67
08/14/07/13	GR +80.000	-357.74	-275.65	+135.77	+310.10	-255.09	+205.90	+223.69
08/14/09/29	GR +85.000	-383.61	-284.63	+119.29	+332.14	-266.41	+179.93	+229.77
08/14/11/53	GR +90.000	-413.42	-292.11	+103.16	+355.69	-275.03	+155.22	+238.73
08/14/14/20	GR +92.000	-425.91	-293.40	+96.428	+365.71	-277.94	+144.60	+242.13
08/14/16/29	GR +94.000	-439.34	-292.60	+88.876	+376.73	-278.54	+132.81	+246.01
08/14/28/04	GR +0.0000	+0.0000	+0.0027	+101.61	+508.97	-3.0058	+1.2280	-74.565
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12B UE X .1	SG12A UE X .1	R3 LRS/UF	SG17C UF X .1	SG17A UE X .1	R8 LRS/UF	R12 KIP/UF
08/14/04/07	GR +50.000	-287.39	-178.94	+243.46	+78.808	-74.633	-2036.7	+175.31
08/14/05/51	GR +70.000	-289.64	-237.77	+186.58	+109.00	-184.48	-1992.0	+174.28
08/14/07/13	GR +80.000	-335.01	-263.19	+155.18	+127.50	-121.40	-1898.3	+171.53
08/14/09/29	GR +85.000	-358.95	-273.66	+138.47	+137.00	-129.86	-1895.5	+170.72
08/14/11/53	GR +90.000	-384.86	-282.14	+121.87	+148.00	-139.81	-1529.4	+167.64
08/14/14/20	GR +92.000	-394.84	-284.13	+115.23	+153.00	-144.78	-1553.7	+165.48
08/14/16/29	GR +94.000	-406.80	-284.63	+106.74	+158.00	-148.77	-1412.9	+164.29
08/14/28/04	GR +0.0000	-1.9941	-2.9633	+3.1713	+1.5808	+4.9755	+1.9380	+2047.9
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG117C UE X .1	SG117A UE X .1	R9 LRS/UF	SG10C UF X .1	SG10A UE X .1	R10 LRS/UF	
08/14/04/07	GR +50.000	-62.372	-65.469	-1856.1	+55.311	-47.859	+929.34	
08/14/05/51	GR +70.000	-81.549	-86.469	-2001.8	+76.249	-66.803	+1024.2	
08/14/07/13	GR +80.000	-90.836	-95.469	-1890.6	+88.712	-77.272	+974.20	
08/14/09/29	GR +85.000	-93.332	-98.469	-1797.3	+64.196	-81.759	+949.47	
08/14/11/53	GR +90.000	-95.829	-100.46	-1308.1	+108.17	-87.943	+967.86	
08/14/14/20	GR +92.000	-95.829	-100.96	-1614.4	+102.67	-89.736	+986.18	
08/14/16/29	GR +94.000	-95.829	-99.969	-946.39	+105.66	-91.730	+936.03	
08/14/28/04	GR +0.0000	-1.4076	+0.0027	+1.5680	+0.7216	+0.9902	+3.1005	
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG110C UE X .1	SG110A UE X .1	R11 LRS/UF	SG19A UF X .1	SG19C UE X .1		
08/14/04/07	GR +50.000	-39.042	-43.681	+1518.9	+39.800	-43.372		
08/14/05/51	GR +70.000	-49.552	-58.973	+1028.1	+52.500	-59.325		
08/14/07/13	GR +80.000	-55.073	-65.915	+1028.8	+60.800	-67.800		
08/14/09/29	GR +85.000	-56.075	-68.840	+921.50	+63.999	-72.784		
08/14/11/53	GR +90.000	-57.578	-72.360	+846.95	+68.500	-77.771		
08/14/14/20	GR +92.000	-58.079	-73.846	+808.98	+69.800	-79.765		
08/14/16/29	GR +94.000	-58.079	-74.344	+801.82	+72.600	-81.759		
08/14/28/04	GR +0.0000	-1.9702	-1.46289	+2.0385	+1.0048	-1.9024		
EOF								

Figure A2-3C: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 31 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG9A UF X .1	SG9B UE X .1	SG9C UF X .1	SG11A UF X .1	SG11B UE X .1	SG11C UE X .1
07/13/25/46	GR +0.0000	-1.0068	+1.02587	+1.5312	+1.46582	+1.52539	+1.52978
07/13/33/18	GR +60.000	+1.50341	-98.868	-9.9448	+1.9633	-186.94	+3.9444
07/13/34/26	GR +70.000	+1.0068	-115.92	-10.941	+1.9633	-125.35	+3.0517
07/13/37/24	GR +80.000	+2.0136	-132.48	-12.936	+1.9633	-143.27	+9.9541
07/13/41/57	GR +85.000	+2.0136	-140.01	-13.434	+1.9633	-151.72	+6.9590
07/13/47/23	GR +86.000	+2.0136	-142.02	-13.434	+1.4643	-153.71	+6.9590
07/13/49/02	GR +88.000	+2.5170	-144.43	-13.434	+1.9633	-153.72	+6.9590
07/13/49/40	GR +90.000	+2.0136	-142.05	-13.434	+1.9633	-159.68	+7.8615
07/13/51/49	GR +0.0000	-1.50341	+1.52783	+2.0332	+1.46582	+1.52939	+1.0322
EOF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UE X .1	SG13B UE X .1	SG13C UF X .1	SG14A UF X .1	SG14B UE X .1	SG14C UE X .1
07/13/25/46	GR +0.0000	-1.40998	+1.4946	+1.5019	+1.40902	+1.49880	+1.5288
07/13/33/18	GR +60.000	-3.5000	-88.739	+18.526	+1.49902	-83.971	-2.4711
07/13/34/26	GR +70.000	-3.5000	-104.19	+21.531	+1.99804	-98.971	-3.4711
07/13/37/24	GR +80.000	-3.5000	-119.14	+24.535	+1.9980	-113.47	-4.9472
07/13/41/57	GR +85.000	-3.9998	-126.62	+26.538	+2.4951	-120.47	-5.4448
07/13/47/23	GR +86.000	-3.5000	-128.12	+26.038	+2.4951	-121.97	-5.4448
07/13/49/02	GR +88.000	-3.5000	-131.11	+27.039	+2.4951	-124.47	-5.4448
07/13/49/40	GR +90.000	-3.9998	-133.60	+28.041	+2.4951	-127.97	-5.9423
07/13/51/49	GR +0.0000	+0.0000	+1.99658	+1.5019	+1.49902	+1.49880	+2.9288
EOF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15B UE X .1	SG15C UF X .1	SG16A UF X .1	SG16B UE X .1	SG16C UE X .1
07/13/25/46	GR +0.0000	+0.0000	+1.02880	+1.0307	+1.52978	+1.98848	+3.0395
07/13/33/18	GR +60.000	+5.4802	-100.97	-2.9565	+8.4584	-185.08	+4.5449
07/13/34/26	GR +70.000	+6.4775	-118.39	-2.9565	+11.953	-124.58	+5.9483
07/13/37/24	GR +80.000	+6.9768	-134.80	-4.4492	+16.945	-143.50	+5.9483
07/13/41/57	GR +85.000	+6.9768	-143.26	-4.4492	+19.941	-153.50	+6.0498
07/13/47/23	GR +86.000	+6.9768	-144.76	-4.9467	+20.939	-155.50	+6.0498
07/13/49/02	GR +88.000	+6.9768	-148.24	-4.9467	+21.938	-159.50	+6.0498
07/13/49/40	GR +90.000	+6.4775	-151.72	-4.9467	+23.436	-163.00	+6.0498
07/13/51/49	GR +0.0000	-1.49853	+1.02880	+2.5327	+1.02929	+1.98848	+4.5449
EOF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG116A UF X .1	SG116B UE X .1	SG116C UF X .1	SG18A UF X .1	SG18B UE X .1	SG18C UE X .1
07/13/25/46	GR +0.0000	+1.49853	+1.52978	+1.0008	+0.0000	+1.03876	+1.0048
07/13/33/18	GR +60.000	+3.5117	-97.492	+2.5122	+1.0019	-83.969	+2.5122
07/13/34/26	GR +70.000	+5.5185	-113.41	+3.0146	+1.0019	-98.949	+3.0146
07/13/37/24	GR +80.000	+8.0273	-128.83	+4.0195	+1.0019	-112.96	+2.5122
07/13/41/57	GR +85.000	+10.034	-135.30	+5.0244	+1.5829	-119.96	+3.0146
07/13/47/23	GR +86.000	+11.031	-136.79	+5.0244	+1.0019	-120.96	+2.5122
07/13/49/02	GR +88.000	+12.041	-139.78	+5.5268	+1.0019	-123.46	+2.5122
07/13/49/40	GR +90.000	+12.041	-142.27	+6.0292	+1.5829	-126.46	+3.0146
07/13/51/49	GR +0.0000	+2.9912	+2.0297	+3.0146	+0.0000	+1.53173	+1.0048
EOF							

Figure A2-4A: TABULATED TRANSDUCER DATA—PANEL 2-2-P-1—CONDITION 22
(100 PERCENT LOAD = 27.0 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG119A UF X .1	SG119C UF X .1	SG12A UF X .1	SG12C UF X .1	SG112A UF X .1	SG112C UF X .1	SG108 UF X .1
07/13/25/51	GR +0.0000	+1.0000	+5.0000	+1.0000	+4.99511	+5.98844	+0.0000	+1.9800
07/13/33/14	GR +60.000	-11.011	+15.11	-15.01	+47.113	-170.51	+20.114	-23.000
07/13/34/29	GR +70.000	-115.93	+121.59	-136.58	+106.29	-156.27	+80.629	-28.000
07/13/37/20	GR +80.000	-131.84	+137.66	-158.56	+119.26	-183.23	+90.143	-34.500
07/13/41/59	GR +85.000	-142.30	+145.20	-160.50	+125.25	-197.71	+101.64	-38.000
07/13/47/26	GR +86.000	-144.29	+147.21	-173.08	+127.25	-201.20	+101.64	-39.000
07/13/49/05	GR +88.000	-144.22	+150.73	-177.50	+128.74	-207.19	+103.15	-41.000
07/13/49/39	GR +90.000	-151.75	+153.24	-181.58	+131.24	-213.18	+104.65	-42.500
07/13/51/42	GR +0.0000	+1.5000	+5.0000	+1.0000	+4.9255	+5.98844	+0.0000	+1.9800
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17B UF X .1	R4 LBS/UF	SG117B UF X .1	R5 LBS/UF	SG10B UF X .1	R6 LBS/UF
07/13/25/49	GR +0.0000	+2.5424	+2.4902	+1.0317	+6.61523	+1.0800	+7.63476
07/13/33/17	GR +60.000	+2.5424	+634.77	+4.0361	+399.86	-23.000	+70.168
07/13/34/25	GR +70.000	+3.0439	+622.95	+5.0375	+376.41	-28.500	+66.533
07/13/37/23	GR +80.000	+3.5458	+608.70	+5.5389	+389.70	-39.000	+61.667
07/13/41/56	GR +85.000	+3.5458	+648.51	+6.0398	+380.77	-38.500	+59.726
07/13/47/22	GR +86.000	+3.5458	+657.03	+6.5400	+356.23	-39.000	+58.979
07/13/49/01	GR +88.000	+3.5458	+668.41	+6.0398	+392.46	-41.000	+57.887
07/13/49/44	GR +90.000	+3.0439	+704.50	+6.0398	+402.48	-42.500	+57.189
07/13/51/46	GR +0.0000	+3.5458	+1.7822	+2.5341	+2.4902	+5.0800	+1.2695
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG10B UF X .1	R7 LBS/UF	SG110A UF X .1	SG110C UF X .1	SG1 UF X .1	SG101 UF X .1
07/13/25/49	GR +0.0000	+1.0968	+6.2988	+1.0268	+0.6000	+1.5493	+1.5268
07/13/33/17	GR +60.000	-8.0156	+201.34	-98.338	+25.077	-9.4376	-11.696
07/13/34/25	GR +70.000	-8.5166	+222.65	-116.72	+98.669	-11.163	-13.222
07/13/37/23	GR +80.000	-10.520	+205.15	-135.68	+111.75	-11.671	-14.239
07/13/41/56	GR +85.000	-12.023	+191.25	-144.54	+117.79	-11.671	-14.748
07/13/47/22	GR +86.000	-13.025	+178.86	-147.02	+119.31	-11.671	-14.239
07/13/49/01	GR +88.000	-15.029	+157.69	-149.01	+123.33	-11.163	-14.748
07/13/49/44	GR +90.000	-16.532	+147.02	-152.49	+124.84	-11.163	-14.748
07/13/51/46	GR +0.0000	+3.0342	+1.2397	+2.5341	+1.5029	+3.0742	+2.0361
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG2 UF X .1	SG3 UF X .1	SG103 UF X .1	SG4 UF X .1	SG5 UF X .1	SG105 UF X .1
07/13/25/49	GR +0.0000	+2.0429	+1.5268	+1.5297	+1.5922	+0.0000	+2.0332
07/13/33/17	GR +60.000	-10.659	+3.0541	+7.1401	+15.805	+6.6411	+13.215
07/13/34/25	GR +70.000	-11.674	+4.0722	+8.6699	+18.859	+9.6377	+15.249
07/13/37/23	GR +80.000	-12.181	+5.0903	+10.200	+22.931	+11.182	+16.773
07/13/41/56	GR +85.000	-11.674	+5.5991	+11.729	+23.949	+11.690	+17.790
07/13/47/22	GR +86.000	-9.6440	+5.0903	+11.220	+24.867	+11.690	+17.790
07/13/49/01	GR +88.000	-10.659	+4.5810	+10.200	+25.477	+11.690	+17.282
07/13/49/44	GR +90.000	-11.166	+4.5810	+10.709	+25.985	+12.109	+18.298
07/13/51/46	GR +0.0000	+4.5968	+2.0361	+2.0408	+3.0795	+1.0166	+1.0166
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG6 UF X .1	SG106 UF X .1	SG7 UF X .1	SG107 UF X .1	SG8 UF X .1	SG108 UF X .1
07/13/25/49	GR +0.0000	+5.5222	+5.90870	+1.0439	+5.90781	+1.0474	+2.0292
07/13/33/17	GR +60.000	-15.686	-13.730	+3.5888	+6.6208	+4.0566	-10.151
07/13/34/25	GR +70.000	-19.234	-17.290	+4.0981	+7.6499	+6.0966	-13.196
07/13/37/23	GR +80.000	-23.289	-20.341	+4.0981	+7.6499	+6.1376	-16.790
07/13/41/56	GR +85.000	-26.530	-22.375	+3.5888	+7.6499	+9.1582	-18.788
07/13/47/22	GR +86.000	-27.343	-23.901	+2.0429	+5.1800	+9.1582	-19.287
07/13/49/01	GR +88.000	-30.891	-26.953	+5.5366	+4.0800	+9.6684	-20.362
07/13/49/44	GR +90.000	-32.412	-27.970	+5.5366	+3.5698	+10.178	-20.850
07/13/51/46	GR +0.0000	-4.8144	-5.0878	+5.5366	+5.90781	+4.8437	+1.0166
ECF							

Figure A2-4B: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 22 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP PS10 X100	ED1 D1 INCHES X1000	ED1 D2 INCHES X1000	ED1 D3 INCHES X1000
07/13/25/46	GR +0.0000	+0.03076	+0.0000	+0.00634	+0.64160	-4.6816	+0.09557	-5.4122
07/13/33/18	GR +60.000	+0.03076	-0.47851	+16.239	+0.47363	+4.6801	+0.09557	-703.43
07/13/34/26	GR +70.000	+0.03076	+0.0000	+18.861	+0.64160	+6.9922	+0.09557	-799.88
07/13/37/24	GR +80.000	+0.03076	+0.0000	+21.684	+0.47363	+11.232	+0.09557	-827.30
07/13/41/57	GR +85.000	+0.03076	+0.0000	+22.995	+0.0000	+12.168	+0.09557	-826.35
07/13/47/23	GR +86.000	+0.03076	+0.0000	+23.297	+0.47363	+14.976	+0.09557	-827.30
07/13/49/02	GR +88.000	+0.03076	+0.0000	+23.802	+0.47363	+14.976	+0.09557	-827.30
07/13/49/40	GR +90.000	+0.03076	-0.47851	+24.407	+0.47363	+15.912	+0.09557	-827.30
07/13/51/49	GR +0.0000	+0.03076	+0.0000	+0.00634	+0.64160	-2.8081	+0.09557	-160.94
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17B UE X .1	SG117R UE X .1	R1 LBS/UE	SG19B UE X .1	SG119R UE X .1	R2 LBS/UE	R12 KIP/UE
07/13/25/51	GR +0.0000	+3.0336	+5.3027	+25146	+2.0410	+0.83125	+31404	+3.2900
07/13/33/14	GR +60.000	+3.5336	+4.0302	-845.99	+1.5385	+4.5937	+339.27	+27.847
07/13/34/29	GR +70.000	+3.5336	+4.5302	+1902.7	+2.0410	+5.0961	+428.90	+27.214
07/13/37/20	GR +80.000	+3.5336	+5.5302	+1081.8	+1.5385	+6.0610	+477.26	+27.102
07/13/41/59	GR +85.000	+3.5336	+6.5302	+764.02	+1.0361	+6.0610	+455.42	+27.050
07/13/47/26	GR +86.000	+4.0336	+6.0302	+1166.8	+1.0361	+5.0961	+979.54	+27.863
07/13/49/05	GR +88.000	+4.0336	+6.5302	+949.34	+1.5385	+5.0961	+473.79	+26.921
07/13/49/39	GR +90.000	+3.5336	+6.5302	+811.12	+1.0361	+6.0610	+483.71	+26.863
07/13/51/42	GR +0.0000	+4.0336	+3.0302	+6.3232	+2.0410	+1.0297	+62744	+1.0395
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17B UE X .1	SG112R UE X .1	R3 LBS/UE	SG17C UE X .1	SG17A UE X .1	R8 LBS/UE	R12 KIP/UE
07/13/25/51	GR +0.0000	+1.0000	+0.2783	+65185	+0.3827	+1.0000	+69429	+0.83037
07/13/33/14	GR +60.000	-9.0707	-16.423	+250.09	+100.51	-184.34	+7.8759	+27.330
07/13/34/29	GR +70.000	-12.961	-19.913	+272.77	+116.09	-123.31	+9.4199	+27.260
07/13/37/20	GR +80.000	-16.451	-24.898	+255.51	+130.66	-147.29	+9.0952	+27.345
07/13/41/59	GR +85.000	-18.944	-27.690	+255.92	+137.69	-151.77	+9.9077	+27.411
07/13/47/26	GR +86.000	-18.445	-28.887	+223.12	+139.70	-154.77	+9.9248	+27.468
07/13/49/05	GR +88.000	-19.442	-29.884	+226.98	+142.22	-158.76	+9.8735	+27.416
07/13/49/39	GR +90.000	-20.439	-30.881	+232.78	+144.73	-162.76	+9.9150	+27.448
07/13/51/42	GR +0.0000	+1.5000	+0.2783	+42968	+53271	+1.5000	+69429	+0.57863
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG117C UE X .1	SG117A UE X .1	R9 LBS/UE	SG10C UE X .1	SG10A UE X .1	R10 LBS/UE	
07/13/25/51	GR +0.0000	+0.0000	+5.3027	+1.1962	+0.0000	+0.09547	+24.526	
07/13/33/14	GR +60.000	+184.86	-98.949	+7.8393	+77.112	-184.44	+8.6962	
07/13/34/29	GR +70.000	+124.92	-115.46	+7.8057	+87.627	-128.84	+8.7597	
07/13/37/20	GR +80.000	+143.99	-131.46	+7.8344	+97.642	-158.73	+8.6889	
07/13/41/59	GR +85.000	+154.02	-138.96	+7.8125	+107.14	-162.17	+8.6596	
07/13/47/26	GR +86.000	+157.03	-140.96	+7.8173	+105.15	-165.16	+8.6816	
07/13/49/05	GR +88.000	+161.04	-143.96	+7.7689	+106.65	-167.65	+8.6401	
07/13/49/39	GR +90.000	+164.56	-146.96	+7.8002	+108.15	-172.12	+8.6694	
07/13/51/42	GR +0.0000	+1.9970	+2.5302	+1.1889	+0.0000	+1.0209	+62011	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG110C UE X .1	SG110A UE X .1	R11 LBS/UE	SG19A UE X .1	SG19C UE X .1		
07/13/25/51	GR +0.0000	+0.0000	+1.0268	+61767	+50341	+50000		
07/13/33/14	GR +60.000	+85.581	-94.338	+8.7744	+08.355	+107.00		
07/13/34/29	GR +70.000	+98.669	-116.72	+8.8012	+115.83	+124.50		
07/13/37/20	GR +80.000	+111.25	-135.10	+8.7597	+132.80	+141.50		
07/13/41/59	GR +85.000	+117.79	-144.54	+8.7255	+141.29	+150.00		
07/13/47/26	GR +86.000	+119.31	-147.52	+8.7304	+143.29	+151.50		
07/13/49/05	GR +88.000	+123.33	-148.51	+8.7182	+146.28	+155.00		
07/13/49/39	GR +90.000	+125.15	-151.99	+8.7622	+149.78	+159.00		
07/13/51/42	GR +0.0000	+1.5029	+2.5170	+62500	+50341	+1.0000		
ECF								

Figure A2-4C: TABULATED TRANSDUCER DATA—PANEL 2-2-P-1—CONDITION 22 (Continued)

TIME IN DAY/MR/HR/SEC	PER CENT LOAD	SG12B UE X .1	SG112B UE X .1	R3 LRS/UE	SG17C UE X .1	SG19A UE X .1	R8 LRS/UE	R12 NIP/UE
26/09/52/89	GR +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0000	+2047.9	+0.0000
26/09/52/24	T +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0000	+2047.9	+0.0000
26/09/52/03	S +0.0000	+203.02	+203.02	-7.2027	+203.02	+203.02	-7.2027	+307.02
26/09/56/03	S +0.0000	+202.93	+202.93	+7.3583	+203.01	+203.00	+7.2696	+311.02
26/10/08/47	GR +50.000	+129.60	+119.00	+293.82	+20.117	-112.71	+30.491	
26/10/48/07	GR +60.000	+154.53	-138.32	+301.26	+22.631	-138.45	+31.047	+136.76
26/10/50/01	GR +70.000	+180.72	-160.77	+287.56	+23.889	-158.34	+31.479	+126.28
26/10/52/46	GR +80.000	+205.65	-183.21	+293.64	+25.146	-184.93	+31.430	+115.10
26/10/54/45	GR +90.000	+231.84	-204.40	+269.62	+25.146	-210.71	+31.397	+104.52
26/10/56/03	GR +92.000	+238.07	-208.15	+251.91	+25.146	-214.45	+31.462	+103.61
26/10/52/03	GR +94.000	+243.06	+214.38	+269.48	+25.146	-223.18	+31.120	+99.952
26/10/56/39	GR +96.000	+248.04	+218.42	+264.52	+23.889	-228.16	+31.411	+97.880
26/10/59/33	GR +98.000	+254.28	+223.11	+260.09	+22.631	-234.40	+31.540	+96.350
26/11/01/29	GR +100.00	+259.27	+226.85	+254.42	+22.631	-240.63	+31.339	+94.915
26/11/03/04	GR +102.00	+265.58	+231.83	+250.68	+21.374	-246.87	+31.499	+92.128
26/11/05/37	GR +104.00	+270.48	+235.98	+245.88	+21.374	-251.89	+31.408	+89.193
26/11/06/30	GR +106.00	+276.72	+239.32	+234.48	+18.859	-259.33	+31.528	+89.891
26/11/08/15	GR +108.00	+282.96	+244.30	+231.83	+18.345	-266.82	+31.643	+87.442
26/11/09/48	GR +110.00	+287.94	+248.84	+226.96	+15.087	-273.05	+31.485	+86.240
26/11/11/11	GR +112.00	+295.42	+253.83	+218.08	+12.973	-280.93	+31.540	+84.912
26/11/12/29	GR +114.00	+301.66	+256.77	+209.13	+10.858	-289.76	+31.362	+83.415
26/11/14/10	GR +116.00	+307.88	+261.76	+207.59	+9.0007	-296.74	+31.738	+81.242
26/11/15/14	GR +118.00	+315.32	+265.90	+195.83	+1.2919	-309.47	+31.840	+80.843
26/11/16/59	GR +120.00	+321.61	+270.49	+193.83	+3.7968	-315.44	+31.789	+78.868
26/11/18/54	GR +122.00	+327.84	+274.93	+187.47	+8.7656	-329.42	+31.740	+77.128
26/11/20/59	GR +124.00	+335.32	+279.91	+182.92	+16.278	-337.89	+31.640	+76.493
26/11/22/22	GR +126.00	+341.56	+284.20	+181.03	+23.291	-349.11	+31.916	+74.834
26/11/25/47	GR +0.0000	*****	+57.284	+0.0000	+16.345	+0.0000	+0.0000	+0.0000
EOF								

TIME IN DAY/MR/HR/SEC	PER CENT LOAD	SG117C UE X .1	SG117A UE X .1	R9 LRS/UE	SG10E UE X .1	SG10R UE X .1	R10 LRS/UE
26/09/52/09	GR +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0000	+2047.9
26/09/52/24	T +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0000	+2047.9
26/09/52/03	S +0.0000	+202.95	+203.02	-6.6406	+203.02	+203.02	-7.2027
26/09/56/03	S +0.0000	+203.08	+202.93	+6.6992	+202.97	+202.93	+6.9990
26/10/08/47	GR +50.000	+128.918	-102.40	+30.639	+20.808	-98.433	+33.999
26/10/48/07	GR +60.000	+137.718	-127.63	+30.451	+22.602	-119.62	+34.333
26/10/50/01	GR +70.000	+145.263	-142.67	+30.524	+26.357	-142.07	+34.060
26/10/52/46	GR +80.000	+152.807	-162.70	+30.578	+28.861	-163.26	+34.209
26/10/54/45	GR +90.000	+160.351	-182.74	+30.424	+31.365	-184.20	+33.884
26/10/56/03	GR +92.000	+162.866	-186.50	+30.229	+31.365	-190.79	+33.945
26/10/52/03	GR +94.000	+165.380	-192.76	+29.936	+32.617	-196.93	+33.664
26/10/56/39	GR +96.000	+166.638	-195.96	+30.229	+31.365	-201.92	+33.940
26/10/59/33	GR +98.000	+167.895	-199.02	+30.373	+31.365	-206.90	+34.025
26/11/01/29	GR +100.00	+170.410	-202.77	+30.195	+32.617	-211.89	+33.737
26/11/03/04	GR +102.00	+172.924	-206.53	+30.192	+30.113	-215.63	+34.340
26/11/05/37	GR +104.00	+175.438	-209.64	+30.163	+31.365	-219.37	+34.293
26/11/06/30	GR +106.00	+179.211	-212.79	+30.036	+31.365	-225.60	+34.130
26/11/08/15	GR +108.00	+181.726	-214.84	+30.295	+31.365	-230.59	+34.206
26/11/09/48	GR +110.00	+184.240	-216.55	+30.164	+30.113	-235.58	+34.082
26/11/11/11	GR +112.00	+186.012	-217.80	+30.229	+31.365	-239.32	+34.152
26/11/12/29	GR +114.00	+193.642	-214.84	+30.568	+30.113	-245.55	+34.052
26/11/14/10	GR +116.00	+196.73	-172.72	+2.087	+30.113	-250.54	+34.123
26/11/15/14	GR +118.00	+192.01	-171.47	+2.180	+28.861	-255.53	+34.340
26/11/16/59	GR +120.00	+198.30	-167.71	+2.372	+27.009	-259.27	+34.538
26/11/18/54	GR +122.00	+197.10	-166.46	+2.053	+26.357	-266.75	+34.289
26/11/20/59	GR +124.00	+194.65	-162.70	+2.266	+25.105	-272.98	+34.353
26/11/22/22	GR +126.00	+194.70	-156.44	+2.429	+23.854	-279.22	+34.257
26/11/25/47	GR +0.0000	+40.235	+55.109	+0.0000	+28.755	-274.22	+0.0000
EOF							

Figure A2-5B: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 54 (Continued)

TIME IN DAY/HB/MIN/SEC	PER CENT LOAD	SG110C UE X .1	SG110A UE X .1	R11 LRS/UE	SG19A UE X .1	SG19C UE X .1
26/08/25/209	GR +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0000
26/08/25/224	Y +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0000
26/08/25/233	S +0.0000	+292.95	+292.94	-7.1809	+293.03	+293.03
26/08/25/233	S +0.0000	-293.04	-293.04	+2047.9	-292.92	-292.92
26/08/25/247	GR +50.000	+35.054	-40.160	+32.765	-49.693	+44.085
26/08/25/257	GR +60.000	+41.314	-106.78	+32.473	-106.790	+52.886
26/08/25/261	GR +70.000	+47.574	-125.41	+33.161	-123.35	+62.945
26/08/25/266	GR +80.000	+53.833	-145.27	+33.698	-139.56	+73.003
26/08/25/275	GR +90.000	+60.093	-165.14	+32.636	-154.52	+83.062
26/08/25/283	GR +92.000	+41.345	-168.87	+32.744	-157.02	+85.577
26/08/25/293	GR +94.000	+45.101	-171.35	+32.683	-160.76	+88.091
26/08/25/299	GR +96.000	+66.353	-175.07	+32.792	-164.50	+91.863
26/08/25/306	GR +98.000	+67.405	-180.04	+32.734	-166.39	+93.121
26/08/25/312	GR +100.00	+68.657	-183.77	+32.653	-169.49	+96.893
26/08/25/314	GR +102.00	+62.605	-185.51	+33.405	-171.98	+99.407
26/08/25/327	GR +104.00	+70.108	-188.73	+33.151	-174.47	+103.17
26/08/25/338	GR +106.00	+70.107	-192.70	+33.247	-175.72	+105.69
26/08/25/343	GR +108.00	+71.361	-198.67	+33.183	-178.21	+109.46
26/08/25/348	GR +110.00	+72.613	-201.15	+33.076	-180.71	+113.23
26/08/25/351	GR +112.00	+75.117	-204.88	+33.012	-181.95	+115.75
26/08/25/359	GR +114.00	+75.117	-209.84	+32.441	-184.45	+119.52
26/08/25/360	GR +115.00	+76.369	-212.53	+33.171	-185.69	+123.29
26/08/25/364	GR +116.00	+76.369	-216.55	+33.390	-186.94	+127.06
26/08/25/369	GR +120.00	+77.621	-219.78	+33.317	-188.19	+133.35
26/08/25/373	GR +122.00	+76.373	-224.74	+33.103	-188.19	+138.38
26/08/25/379	GR +124.00	+76.373	-229.71	+33.186	-188.19	+142.15
26/08/25/382	GR +125.00	+81.376	-232.19	+33.110	-186.94	+146.44
26/08/25/387	GR +130.000	+44.9667	+8.6918	+0.0009	+33.163	+12.652

TIME IN DAY/HB/MIN/SEC	PER CENT LOAD	SG110A UE X .1	SG110C UE X .1	SG12A UE X .1	SG12C UE X .1	SG112A UE X .1	SG112C UE X .1	SG100 UE X .1
26/08/25/209	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/08/25/224	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/08/25/233	S +0.0000	+292.95	+292.95	+293.01	+293.02	+293.02	+293.02	+292.99
26/08/25/233	S +0.0000	-293.04	-293.00	-292.93	-292.93	-292.93	-292.93	-293.01
26/08/25/247	GR +50.000	+35.054	+47.278	-107.17	+30.116	-100.40	+25.217	-128.97
26/08/25/257	GR +60.000	+41.314	+57.834	-123.36	+35.124	-130.64	+28.989	-155.27
26/08/25/261	GR +70.000	+47.574	+67.845	-144.56	+41.383	-154.53	+34.016	-184.09
26/08/25/266	GR +80.000	+53.833	+79.211	-165.75	+46.301	-176.98	+36.533	-210.36
26/08/25/275	GR +90.000	+60.093	+89.270	-186.44	+51.399	-201.91	+39.047	-237.91
26/08/25/283	GR +92.000	+41.345	+99.527	-191.94	+52.651	-206.70	+40.365	-242.92
26/08/25/293	GR +94.000	+45.101	+94.299	-198.17	+55.155	-213.13	+40.365	-250.43
26/08/25/299	GR +96.000	+66.353	+95.556	-201.91	+56.407	-217.12	+40.365	-256.70
26/08/25/306	GR +98.000	+67.405	+98.671	-206.90	+57.659	-221.11	+40.365	-261.70
26/08/25/312	GR +100.00	+68.657	+99.328	-210.64	+57.659	-226.39	+40.365	-269.22
26/08/25/314	GR +102.00	+62.605	+107.64	-216.82	+58.911	-234.33	+40.365	-272.97
26/08/25/327	GR +104.00	+70.108	+104.35	-219.37	+58.911	-239.32	+41.562	-279.24
26/08/25/338	GR +106.00	+70.107	+105.61	-224.36	+61.415	-245.55	+40.365	-284.24
26/08/25/343	GR +108.00	+71.361	+106.25	-229.34	+62.667	-250.54	+40.365	-290.50
26/08/25/348	GR +110.00	+72.613	+109.36	-233.84	+62.667	-255.52	+40.365	-296.77
26/08/25/351	GR +112.00	+75.117	+111.40	-236.82	+62.667	-261.76	+39.847	-304.28
26/08/25/359	GR +114.00	+75.117	+111.40	-240.56	+65.170	-267.99	+39.847	-310.54
26/08/25/360	GR +115.00	+76.369	+113.15	-245.55	+65.170	-274.23	+36.533	-315.55
26/08/25/364	GR +116.00	+76.369	+113.15	-249.29	+66.422	-280.46	+36.533	-323.06
26/08/25/369	GR +120.00	+77.621	+114.41	-253.83	+67.674	-287.94	+35.275	-329.32
26/08/25/373	GR +122.00	+76.373	+114.41	-258.82	+68.926	-295.42	+34.016	-338.09
26/08/25/379	GR +124.00	+76.373	+114.41	-261.76	+71.440	-301.66	+31.503	-345.60
26/08/25/382	GR +125.00	+81.376	+114.41	-265.50	+73.934	-307.14	+28.989	-351.86
26/08/25/387	GR +130.000	+44.9667	*****	*****	*****	+28.988	+37.790	-277.98

Figure A2-5C: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 54 (Continued)

TIME IN DAY/MR/HN/SFC	PER CENT LOAD	SG2 UE X .1	SG3 UE X .1	SG103 UF X .1	SG4 UF X .1	SG9 UE X .1	SG105 UE X .1
26/09/52/15	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/33	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/01	S +0.0000	+297.93	+297.93	+297.93	+297.93	+297.93	+297.93
26/09/52/54	S +0.0000	+297.87	+297.87	+297.87	+297.93	+297.87	+297.87
26/10/06/45	GR +50.000	+101.36	+95.023	-81.072	+90.015	-89.951	-86.147
26/10/48/12	GR +60.000	+122.91	+115.30	-96.291	+106.49	-110.23	-103.89
26/10/49/57	GR +70.000	+144.46	+133.05	-111.50	+124.24	-127.98	-121.64
26/10/52/44	GR +80.000	+162.21	+150.80	-124.18	+138.19	-144.46	-138.12
26/10/54/47	GR +90.000	+182.50	+169.82	-136.86	+157.21	-162.71	-152.87
26/10/55/56	GR +92.000	+186.30	+172.36	-139.39	+159.74	-166.02	-155.87
26/10/57/07	GR +94.000	+191.33	+176.16	-141.93	+162.28	-168.59	-158.41
26/10/58/33	GR +96.000	+197.71	+181.23	-145.73	+167.35	-173.62	-163.48
26/10/59/37	GR +98.000	+200.25	+183.77	-147.00	+169.88	-177.43	-166.02
26/11/01/34	GR +100.00	+202.78	+187.97	-149.54	+172.42	-181.23	-168.55
26/11/03/00	GR +102.00	+205.32	+192.64	-152.02	+174.95	-185.03	-171.69
26/11/05/33	GR +104.00	+210.38	+195.18	-155.82	+178.76	-187.57	-174.89
26/11/06/40	GR +106.00	+214.19	+198.98	-157.14	+182.56	-191.37	-176.16
26/11/08/17	GR +108.00	+218.00	+201.52	-159.68	+183.83	-195.18	-179.96
26/11/09/43	GR +110.00	+222.53	+205.32	-160.95	+187.63	-198.98	-182.50
26/11/11/06	GR +112.00	+225.60	+207.86	-163.48	+191.44	-200.25	-186.30
26/11/12/31	GR +114.00	+229.41	+210.39	-163.48	+193.97	-204.05	-188.84
26/11/14/06	GR +116.00	+233.21	+212.93	-164.75	+197.78	-207.85	-191.37
26/11/15/09	GR +118.00	+237.02	+216.73	-167.28	+200.31	-211.66	-192.64
26/11/16/55	GR +120.00	+239.55	+216.73	-167.28	+204.11	-214.19	-195.18
26/11/18/51	GR +122.00	+244.62	+219.27	-168.55	+207.92	-216.73	-196.44
26/11/20/54	GR +124.00	+248.43	+223.87	-169.82	+210.45	-221.80	-198.98
26/11/22/18	GR +126.00	+252.23	+226.87	-171.09	+214.26	-225.60	-200.25
26/11/25/50	GR +0.0000	-226.87	-299.14	-233.21	+256.10	-252.73	+39.692
ECF							

TIME IN DAY/MR/HN/SFC	PER CENT LOAD	SG6 UF X .1	SG106 UE X .1	SG7 UE X .1	SG107 UE X .1	SG8 UE X .1	SG108 UE X .1
26/09/52/15	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/33	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/01	S +0.0000	+297.91	+297.87	+297.93	+297.91	+297.91	+297.87
26/09/52/54	S +0.0000	+297.82	+297.82	+297.82	+297.87	+297.86	+297.93
26/10/06/45	GR +50.000	+131.70	+114.58	-114.03	+103.89	-106.88	-109.83
26/10/48/12	GR +60.000	+150.68	+136.23	-135.59	+122.91	-127.25	-130.83
26/10/49/57	GR +70.000	+187.53	+157.87	-158.41	+143.19	-148.89	-152.95
26/10/52/44	GR +80.000	+212.93	+176.97	-179.96	+160.94	-176.54	-174.21
26/10/54/47	GR +90.000	+242.08	+196.87	-201.51	+179.96	-192.18	-196.94
26/10/55/56	GR +92.000	+245.89	+201.16	-200.59	+183.76	-196.00	-200.93
26/10/57/07	GR +94.000	+253.58	+203.71	-210.39	+187.57	-201.09	-205.77
26/10/58/33	GR +96.000	+259.83	+208.80	-216.73	+191.37	-203.64	-210.82
26/10/59/37	GR +98.000	+264.91	+212.62	-220.53	+195.17	-208.73	-215.87
26/11/01/34	GR +100.00	+271.25	+217.71	-225.60	+197.71	-213.83	-220.92
26/11/03/00	GR +102.00	+277.58	+221.93	-229.41	+202.78	-218.92	-224.71
26/11/05/33	GR +104.00	+283.92	+226.62	-235.75	+206.58	-222.74	-231.82
26/11/06/40	GR +106.00	+290.26	+229.17	-237.01	+212.92	-227.83	-234.81
26/11/08/17	GR +108.00	+296.60	+232.99	-243.35	+215.46	-232.92	-241.12
26/11/09/43	GR +110.00	+302.94	+236.81	-247.16	+219.26	-236.74	-244.91
26/11/11/06	GR +112.00	+310.55	+239.36	-252.23	+224.33	-240.56	-251.22
26/11/12/31	GR +114.00	+318.15	+243.18	-257.38	+228.14	-245.66	-256.87
26/11/14/06	GR +116.00	+323.23	+246.99	-263.64	+233.21	-253.29	-263.85
26/11/15/09	GR +118.00	+330.83	+250.81	-268.71	+237.01	-258.39	-268.90
26/11/16/55	GR +120.00	+332.10	+250.81	-272.51	+239.55	-263.48	-275.21
26/11/18/51	GR +122.00	+340.98	+253.36	-277.58	+244.62	-267.30	-281.52
26/11/20/54	GR +124.00	+348.58	+257.18	-282.65	+248.42	-272.39	-286.57
26/11/22/18	GR +126.00	+356.19	+261.00	-286.46	+252.23	-276.21	-291.62
26/11/25/50	GR +0.0000	+249.68	+278.82	-292.88	+288.99	-273.67	-399.14
ECF							

Figure A2-5D: TABULATED TRANSDUCER DATA—PANEL 2-2-P-1—CONDITION 54 (Continued)

TIME IN DAY/HH/MIN/SEC	PER CENT LOAD	SG17M UE X .1	N4 LRS/UE	SG17N UF X .1	R5 LRS/UF	SG18M UE X .1	N6 LRS/UE
26/09/52/15	RM +0.0000	+0.0000	+2047.9	+0.0000	+2047.9	+0.0000	+2047.9
26/09/52/33	T +0.0000	+0.0000	+2047.9	+0.0000	+2047.9	+0.0000	+2047.9
26/09/57/01	S +0.0000	+293.03	+50.969	+292.95	+50.961	+292.95	+50.961
26/09/57/54	S +0.0000	-292.95	-51.469	-293.01	-51.469	-293.01	-51.469
26/10/08/45	RM +50.000	-126.56	+32.114	-110.19	+36.887	-127.72	+31.893
26/10/48/12	RM +68.000	-152.64	+32.282	-130.22	+37.744	-156.92	+31.463
26/10/49/57	RM +70.000	-178.72	+32.579	-152.76	+38.054	-184.07	+31.962
26/10/52/44	RM +80.000	-202.31	+32.473	-171.55	+38.295	-210.36	+31.278
26/10/54/47	RM +90.000	-229.62	+32.314	-190.33	+38.986	-237.91	+31.188
26/10/55/56	RM +92.000	-234.52	+32.233	-194.09	+38.962	-244.17	+30.949
26/10/57/07	RM +94.000	-240.40	+32.149	-197.84	+39.177	-249.18	+31.185
26/10/58/33	RM +96.000	-247.01	+32.146	-204.10	+38.903	-256.78	+30.932
26/10/59/37	RM +98.000	-251.22	+31.916	-207.86	+38.881	-262.96	+30.714
26/11/01/34	RM +100.00	-258.18	+32.036	-210.36	+39.318	-269.28	+30.792
26/11/03/00	RM +102.00	-264.38	+31.997	-214.12	+39.511	-272.72	+30.991
26/11/05/33	RM +104.00	-269.36	+31.933	-219.13	+39.255	-277.98	+30.944
26/11/06/40	RM +106.00	-275.51	+31.981	-219.13	+40.117	-285.98	+30.781
26/11/08/17	RM +108.00	-281.78	+31.781	-222.89	+40.878	-291.76	+30.617
26/11/09/43	RM +110.00	-286.74	+31.647	-224.14	+40.488	-296.77	+30.578
26/11/11/06	RM +112.00	-294.19	+31.398	-227.90	+40.441	-303.03	+30.415
26/11/12/31	RM +114.00	-301.64	+31.337	-225.79	+41.038	-310.64	+30.439
26/11/14/06	RM +116.00	-309.04	+31.040	-210.36	+45.607	-315.99	+30.465
26/11/15/09	RM +118.00	-315.30	+30.878	-211.62	+46.808	-323.06	+30.116
26/11/16/55	RM +120.00	-322.75	+30.685	-211.62	+46.679	-329.32	+29.905
26/11/18/51	RM +122.00	-331.44	+30.373	-212.87	+47.292	-336.74	+29.887
26/11/20/54	RM +124.00	-337.65	+30.393	-212.87	+48.181	-345.68	+29.675
26/11/22/18	RM +126.00	-346.34	+30.158	-211.62	+49.357	-353.11	+29.588
26/11/25/50	RM +0.0000	-2.3989	-19.966	-2.5039	-19.130	-285.98	-7.1845
ECF							
TIME IN DAY/HH/MIN/SEC	PER CENT LOAD	SG110M UF X .1	N7 LRS/UF	SG110A UF X .1	SG110C UF X .1	SG1 UF X .1	SG101 UF X .1
26/09/52/15	RM +0.0000	+0.0000	+2042.9	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/33	T +0.0000	+0.0000	+2042.9	+0.0000	+0.0000	+0.0000	+0.0000
26/09/57/01	S +0.0000	+292.94	+50.953	+292.95	+292.95	+292.95	+292.95
26/09/57/54	S +0.0000	-293.04	-51.464	-293.04	-293.04	-293.04	-293.04
26/10/08/45	RM +50.000	-104.30	+38.464	-89.402	+35.205	-89.953	-87.417
26/10/48/12	RM +66.000	-124.18	+39.587	-108.02	+41.491	-118.23	-103.89
26/10/49/57	RM +70.000	-140.52	+39.677	-127.89	+47.778	-126.72	-121.64
26/10/52/44	RM +80.000	-165.14	+39.780	-146.52	+45.322	-144.747	-138.13
26/10/54/47	RM +90.000	-185.01	+40.187	-166.38	+48.351	-168.99	-153.44
26/10/55/56	RM +92.000	-188.73	+40.088	-168.87	+61.608	-164.75	-157.14
26/10/57/07	RM +94.000	-192.46	+40.273	-172.59	+65.388	-166.82	-159.68
26/10/58/33	RM +96.000	-197.44	+40.219	-177.56	+68.638	-179.36	-164.75
26/10/59/37	RM +98.000	-205.12	+40.178	-181.78	+68.638	-174.89	-167.79
26/11/01/34	RM +100.00	-203.63	+40.617	-183.77	+69.152	-178.70	-169.62
26/11/03/00	RM +102.00	-204.98	+41.293	-186.25	+67.895	-181.23	-177.36
26/11/05/33	RM +104.00	-208.68	+41.235	-191.22	+70.410	-183.77	-176.16
26/11/06/40	RM +106.00	-211.57	+41.162	-194.94	+70.410	-186.38	-178.79
26/11/08/17	RM +108.00	-210.03	+41.345	-199.91	+71.667	-190.11	-181.93
26/11/09/43	RM +110.00	-210.74	+41.259	-202.36	+74.182	-192.64	-183.77
26/11/11/06	RM +112.00	-224.74	+41.088	-207.36	+74.182	-195.18	-186.38
26/11/12/31	RM +114.00	-228.41	+41.374	-209.84	+75.439	-197.71	-188.84
26/11/14/06	RM +116.00	-230.95	+41.542	-213.57	+76.696	-200.25	-199.44
26/11/15/09	RM +118.00	-231.43	+41.788	-218.53	+77.954	-204.05	-193.01
26/11/16/55	RM +120.00	-237.16	+41.690	-221.02	+77.954	-205.32	-196.45
26/11/18/51	RM +122.00	-241.31	+41.564	-225.98	+77.954	-206.59	-197.71
26/11/20/54	RM +124.00	-247.89	+41.986	-229.71	+80.468	-210.39	-198.88
26/11/22/18	RM +126.00	-250.82	+41.645	-233.43	+80.468	-212.93	-201.52
26/11/25/50	RM +0.0000	+74.799	-6.6288	+7.4581	+6.2866	-223.07	-283.63
ECF							

Figure A2-5E: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 54 (Continued)

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SG9A UE X .1	SG9B UE X .1	SG9C UE X .1	SG11A UE X .1	SG11B UE X .1	SG11C UE X .1
26/09/52/13	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/28	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/56/59	S +0.0000	+293.02	+293.02	+292.95	+292.94	+292.94	+292.94
26/09/57/59	S +0.0000	+292.94	+292.93	-293.04	+293.04	-293.00	-293.00
26/10/08/43	GR +50.000	+39.042	-99.680	-119.20	+38.644	-110.96	-120.94
26/10/48/14	GR +60.000	+42.843	-119.62	-144.03	+47.370	-133.41	-144.63
26/10/49/59	GR +70.000	+55.382	-139.57	-167.62	+54.849	-159.89	-167.87
26/10/52/41	GR +80.000	+62.931	-158.20	-189.08	+61.882	-177.04	-189.31
26/10/54/49	GR +90.000	+71.732	-176.98	-213.57	+69.808	-198.24	-211.96
26/10/55/58	GR +92.000	+72.990	-180.72	-217.29	+71.855	-201.98	-216.94
26/10/57/09	GR +94.000	+74.242	-185.71	-222.26	+72.301	-206.97	-221.93
26/10/58/34	GR +96.000	+75.505	-190.69	-229.71	+73.548	-211.96	-225.67
26/10/59/35	GR +98.000	+79.276	-194.43	-232.19	+76.841	-218.19	-229.41
26/11/01/36	GR +100.00	+79.276	-196.83	-237.16	+76.841	-219.44	-234.40
26/11/03/01	GR +102.00	+80.534	-200.67	-239.64	+78.534	-229.67	-238.14
26/11/05/35	GR +104.00	+83.048	-203.16	-244.61	+79.781	-229.41	-243.13
26/11/06/33	GR +106.00	+83.048	-206.90	-248.33	+79.781	-233.15	-246.87
26/11/08/10	GR +108.00	+85.563	-211.89	-253.30	+82.274	-236.89	-250.61
26/11/09/44	GR +110.00	+86.826	-215.63	-257.03	+83.521	-241.88	-254.35
26/11/11/04	GR +112.00	+88.078	-219.37	-260.75	+84.767	-246.71	-258.09
26/11/12/25	GR +114.00	+90.592	-221.86	-265.72	+86.014	-248.11	-264.32
26/11/14/07	GR +116.00	+91.850	-225.61	-269.44	+88.507	-254.35	-268.06
26/11/15/10	GR +118.00	+93.102	-228.10	-273.17	+89.753	-259.33	-273.05
26/11/16/56	GR +120.00	+93.102	-231.84	-276.89	+91.000	-263.08	-275.54
26/11/18/52	GR +122.00	+94.364	-234.33	-279.38	+92.247	-269.57	-279.28
26/11/20/55	GR +124.00	+95.622	-238.07	-281.86	+93.493	-270.56	-283.82
26/11/22/20	GR +126.00	+98.136	-241.81	-286.83	+94.740	-275.54	-286.97
26/11/25/51	GR +0.0000	-305.41	-307.90	-171.35	+9.9226	+4.9863	+51.770
ECF							

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SG13A UE X .1	SG13B UE X .1	SG13C UE X .1	SG14A UE X .1	SG14B UE X .1	SG14C UE X .1
26/09/52/13	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/28	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/56/59	S +0.0000	+293.02	+293.02	+293.01	+293.02	+293.02	+293.02
26/09/57/59	S +0.0000	+292.93	+292.97	-292.97	+292.93	-292.94	-292.93
26/10/08/43	GR +50.000	+35.275	-95.540	-100.50	+36.534	-87.582	-107.15
26/10/48/14	GR +60.000	+42.810	-112.02	-120.32	+44.878	-106.36	-129.59
26/10/49/59	GR +70.000	+50.363	-131.54	-138.99	+51.622	-128.94	-153.28
26/10/52/41	GR +80.000	+56.658	-148.93	-157.62	+57.908	-148.67	-174.40
26/10/54/49	GR +90.000	+65.451	-167.95	-177.49	+66.709	-168.70	-195.67
26/10/55/58	GR +92.000	+66.708	-171.08	-181.21	+69.224	-162.71	-199.42
26/10/57/09	GR +94.000	+67.966	-175.80	-184.94	+70.481	-167.72	-204.40
26/10/58/34	GR +96.000	+69.223	-178.93	-188.66	+71.739	-171.47	-209.39
26/10/59/35	GR +98.000	+71.738	-182.45	-192.39	+74.253	-175.73	-214.38
26/11/01/36	GR +100.00	+72.995	-184.94	-196.11	+74.253	-177.74	-218.12
26/11/03/01	GR +102.00	+74.252	-189.90	-198.60	+76.768	-182.74	-223.10
26/11/05/35	GR +104.00	+76.762	-192.39	-203.56	+79.283	-185.29	-229.34
26/11/06/33	GR +106.00	+78.024	-196.11	-207.29	+80.540	-189.00	-233.68
26/11/08/10	GR +108.00	+80.539	-201.88	-209.72	+81.297	-194.01	-236.82
26/11/09/44	GR +110.00	+81.796	-204.81	-213.50	+81.297	-196.52	-239.31
26/11/11/04	GR +112.00	+83.054	-207.29	-218.46	+84.312	-200.27	-244.30
26/11/12/25	GR +114.00	+85.568	-211.81	-222.19	+85.569	-204.03	-249.29
26/11/14/07	GR +116.00	+86.826	-214.74	-226.40	+86.827	-208.54	-254.28
26/11/15/10	GR +118.00	+89.340	-218.46	-230.88	+89.341	-210.79	-258.82
26/11/16/56	GR +120.00	+91.855	-222.19	-234.61	+90.599	-214.05	-261.76
26/11/18/52	GR +122.00	+91.855	-224.67	-238.33	+91.856	-216.55	-266.74
26/11/20/55	GR +124.00	+94.370	-229.44	-240.81	+91.856	-220.31	-270.48
26/11/22/20	GR +126.00	+96.884	-232.12	-244.54	+94.371	-224.07	-274.23
26/11/25/51	GR +0.0000	+16.416	+41.562	+19.012	-32.346	+28.866	+92.716
ECF							

Figure A2-5F: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 54 (Continued)

TIME IN DAY/MR/HIN/SEC	PER CENT LOAD	SG15A UE X .1	SG15B UE X .1	SG15C UE X .1	SG16A UE X .1	SG16B UE X .1	SG16C UE X .1
26/09/52/13	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/28	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/56/59	S +0.0000	+293.02	+292.95	+293.02	+293.03	+293.03	+293.03
26/09/57/59	S +0.0000	-292.93	-293.04	-292.96	-292.93	-292.93	-292.93
26/10/08/43	GR +50.000	+41.386	-101.81	-119.13	+34.821	-115.38	-127.10
26/10/48/14	GR +60.000	+40.150	-121.68	-142.72	+40.308	-139.07	-153.28
26/10/49/59	GR +70.000	+52.662	-141.55	-166.31	+41.565	-160.76	-176.97
26/10/52/41	GR +80.000	+43.921	-161.42	-187.42	+44.880	-185.70	-203.15
26/10/54/49	GR +90.000	+71.433	-181.28	-209.72	+44.880	-211.08	-228.89
26/10/55/58	GR +92.000	+71.433	-183.77	-214.74	+44.880	-216.87	-234.32
26/10/57/89	GR +94.000	+72.685	-188.93	-218.46	+42.822	-223.18	-239.31
26/10/58/34	GR +96.000	+73.937	-193.70	-223.43	+41.565	-229.34	-245.95
26/10/59/35	GR +98.000	+75.189	-197.43	-227.15	+41.565	-234.33	-250.53
26/11/01/36	GR +100.00	+75.189	-201.15	-232.12	+40.308	-240.56	-256.77
26/11/03/81	GR +102.00	+76.441	-206.12	-235.85	+37.193	-246.79	-261.75
26/11/05/35	GR +104.00	+77.693	-208.60	-240.81	+36.336	-253.03	-267.99
26/11/06/33	GR +106.00	+77.693	-213.57	-244.54	+34.821	-259.26	-274.82
26/11/08/10	GR +108.00	+78.945	-217.29	-249.58	+32.164	-266.74	-279.81
26/11/09/44	GR +110.00	+78.945	-221.02	-253.23	+28.992	-271.73	-285.44
26/11/11/84	GR +112.00	+80.197	-224.74	-256.95	+25.220	-279.21	-291.68
26/11/12/25	GR +114.00	+81.449	-228.47	-261.92	+21.448	-286.69	-297.91
26/11/14/87	GR +116.00	+81.449	-232.19	-266.89	+15.161	-296.67	-305.39
26/11/15/10	GR +118.00	+81.449	-235.92	-270.61	+8.8250	-304.19	-312.88
26/11/16/56	GR +120.00	+81.449	-239.64	-275.58	+2.5883	-314.12	-319.11
26/11/18/52	GR +122.00	+78.945	-242.13	-279.30	+6.1611	-322.85	-325.34
26/11/20/55	GR +124.00	+78.945	-247.89	-281.79	+17.382	-334.07	-332.82
26/11/22/20	GR +126.00	+77.693	-250.82	-286.75	+78.604	-345.29	-339.86
26/11/25/51	GR +0.0000	-137.03	-139.87	+42.822	+15.161	-2.4204	-6.1686
ECF							

TIME IN DAY/MR/HIN/SEC	PER CENT LOAD	SG116A UE X .1	SG116B UE X .1	SG116C UE X .1	SG18A UE X .1	SG18B UE X .1	SG18C UE X .1
26/09/52/13	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/52/28	Y +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
26/09/56/59	S +0.0000	+293.03	+292.95	+293.03	+293.03	+293.03	+293.03
26/09/57/59	S +0.0000	-292.96	-293.04	-292.92	-292.93	-292.92	-292.92
26/10/08/43	GR +50.000	+35.279	-104.30	-114.63	+32.768	-93.439	-104.65
26/10/48/14	GR +60.000	+44.081	-127.02	-135.82	+40.312	-109.64	-123.35
26/10/49/59	GR +70.000	+51.625	-142.79	-157.02	+46.598	-128.34	-144.55
26/10/52/41	GR +80.000	+52.911	-161.42	-176.97	+52.885	-149.80	-163.25
26/10/54/49	GR +90.000	+66.712	-181.28	-196.92	+59.171	-164.50	-184.45
26/10/55/58	GR +92.000	+62.978	-182.52	-200.66	+60.429	-166.09	-188.19
26/10/57/89	GR +94.000	+70.484	-187.49	-203.15	+61.686	-178.73	-193.18
26/10/58/34	GR +96.000	+71.742	-189.98	-208.14	+61.686	-174.47	-196.92
26/10/59/35	GR +98.000	+74.256	-194.94	-210.63	+64.201	-178.21	-199.41
26/11/01/36	GR +100.00	+75.514	-197.43	-214.32	+64.201	-180.71	-204.40
26/11/03/81	GR +102.00	+76.771	-201.15	-218.12	+65.458	-189.78	-206.89
26/11/05/35	GR +104.00	+80.543	-203.63	-221.86	+67.973	-189.44	-213.12
26/11/06/33	GR +106.00	+83.058	-206.12	-224.35	+67.973	-193.18	-216.87
26/11/08/10	GR +108.00	+86.830	-209.84	-226.84	+70.487	-195.67	-220.61
26/11/09/44	GR +110.00	+89.344	-211.08	-228.09	+71.745	-199.41	-223.18
26/11/11/84	GR +112.00	+91.858	-214.78	-231.83	+71.745	-203.15	-228.89
26/11/12/25	GR +114.00	+96.888	-216.65	-234.32	+73.802	-206.69	-233.87
26/11/14/87	GR +116.00	+161.01	-182.92	-219.36	+75.517	-218.43	-238.86
26/11/15/10	GR +118.00	+169.81	-181.98	-220.61	+76.274	-214.37	-243.85
26/11/16/56	GR +120.00	+170.82	-178.00	-220.61	+78.831	-216.07	-246.79
26/11/18/52	GR +122.00	+188.61	-175.07	-219.36	+78.831	-228.61	-250.53
26/11/20/55	GR +124.00	+201.24	-172.79	-219.36	+79.289	-224.35	-253.82
26/11/22/20	GR +126.00	+215.03	-168.07	-219.36	+80.546	-226.84	-256.76
26/11/25/51	GR +0.0000	*****	+57.589	-3.6668	+6.2889	+28.872	+26.481
ECF							

Figure A2-5G: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 54 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG0A UF X .1	SG0H UF X .1	SG0C UF X .1	SG1A UF X .1	SG1B UF X .1	SG1C UF X .1
08/09/54/15	GR +0.0000	-1.50195	-7.9807	+0.0000	-1.46484	-1.49999	+1.59800
08/09/56/53	GR +50.0000	+27.1593	-60.6871	-91.366	+30.578	-68.385	-95.135
08/09/58/32	GR +80.0000	+22.610	-80.631	-104.33	+37.087	-78.768	-113.70
08/10/00/52	GR +70.0000	+16.122	-93.650	-127.31	+43.597	-90.733	-131.28
08/10/04/35	GR +80.0000	+43.146	-105.17	-145.28	+44.105	-103.19	-140.75
08/10/09/19	GR +95.0000	+46.058	-112.67	-153.77	+52.109	-109.67	-157.74
08/10/10/30	GR +88.0000	+47.662	-115.19	-159.26	+53.612	-111.16	-160.93
08/10/12/08	GR +98.0000	+49.161	-118.70	-165.26	+54.613	-115.66	-167.92
08/10/14/31	GR +0.0000	-1.59195	-7.9807	+0.0000	-1.46484	-1.49999	+1.59800
EOT							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UF X .1	SG13H UF X .1	SG13C UF X .1	SG14A UF X .1	SG14H UF X .1	SG14C UF X .1
08/09/54/15	GR +0.0000	+0.0000	+8.0602	+1.52587	-3.9941	-1.99853	+2.0000
08/09/56/53	GR +50.0000	+30.440	-44.282	-80.578	+22.580	-52.423	-80.762
08/09/58/32	GR +60.0000	+30.420	-53.736	-96.498	+28.000	-62.907	-96.715
08/10/00/52	GR +70.0000	+42.916	-63.687	-112.41	+33.500	-72.893	-111.96
08/10/04/35	GR +80.0000	+48.908	-73.141	-128.83	+38.500	-83.377	-129.12
08/10/09/19	GR +85.0000	+52.397	-78.116	-138.30	+41.000	-88.869	-137.89
08/10/10/30	GR +88.0000	+53.894	-81.182	-141.27	+43.000	-91.869	-142.98
08/10/12/08	GR +98.0000	+55.391	-82.594	-144.76	+43.500	-94.361	-146.07
08/10/14/31	GR +0.0000	+1.49002	+9.9658	+1.0297	-3.9941	-1.99999	+2.0000
EOT							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	SG16A UF X .1	SG16H UF X .1	SG16C UF X .1
08/09/54/15	GR +0.0000	+1.99804	+1.0239	+2.0292	+37.915	+38.604	+108.14
08/09/56/53	GR +50.0000	+33.434	-57.190	-89.707	+14.449	-27.459	+25.537
08/09/58/32	GR +60.0000	+39.921	-68.136	-107.15	+11.953	-37.445	+16.023
08/10/00/52	GR +70.0000	+46.409	-79.083	-124.68	+9.4870	-47.929	+9.0073
08/10/04/35	GR +80.0000	+52.392	-90.029	-142.03	+4.9633	-58.913	-10.000
08/10/09/19	GR +85.0000	+54.391	-95.802	-150.03	+5.9619	-61.909	-7.9999
08/10/10/30	GR +88.0000	+56.888	-98.885	-155.51	+2.9663	-67.401	-18.580
08/10/12/08	GR +90.0000	+58.884	-100.97	-158.58	+5.4628	-68.901	-13.080
08/10/14/31	GR +0.0000	+1.49902	+1.5214	+2.5292	+39.413	+31.607	+103.15
EOT							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG16A UF X .1	SG16H UF X .1	SG16C UF X .1	SG18A UF X .1	SG18H UF X .1	SG18C UF X .1
08/09/54/15	GR +0.0000	+33.844	-33.754	-101.69	+1.0307	-1.98897	+1.0034
08/09/56/53	GR +50.0000	+70.770	-104.30	-217.42	+27.215	-57.000	-80.500
08/09/58/32	GR +80.0000	+79.801	-114.71	-243.47	+32.752	-67.000	-96.500
08/10/00/52	GR +70.0000	+88.330	-131.12	-260.52	+37.787	-78.000	-112.00
08/10/04/35	GR +80.0000	+94.852	-148.03	-291.06	+43.324	-88.000	-128.50
08/10/09/19	GR +85.0000	+101.31	-155.47	-309.10	+45.841	-93.500	-136.00
08/10/10/30	GR +88.0000	+101.31	-156.96	-309.60	+47.352	-96.500	-141.00
08/10/12/08	GR +90.0000	+105.38	-167.92	-323.13	+48.358	-99.000	-144.00
08/10/14/31	GR +0.0000	+36.654	-33.754	-104.78	+1.5410	-1.98897	+1.9848
EOT							

Figure A2-6A: TABULATED TRANSDUCER DATA—PANEL 2-2-P-1—CONDITION 30
(100 PERCENT LOAD = 128 KIPS)

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG119A UF X .1	SG119B UF X .1	SG12A UF X .1	SG12C UF X .1	SG12D UF X .1	SG12E UF X .1	SG12F UF X .1
06/09/54/19	GM +0.0000	-16.451	+13.968	+15.078	+18.076	-20.442	-19.970	+63.886
06/09/56/46	GM +50.0000	-70.294	+1.0347	-37.861	+29.042	-83.849	-20.969	-19.973
06/09/58/18	GM +60.0000	-80.764	+7.4400	-47.333	+31.545	-96.331	-22.966	-13.473
06/10/00/50	GM +70.0000	-91.231	+5.0400	-56.805	+33.544	-109.31	-24.963	-48.973
06/10/04/37	GM +80.0000	-101.720	+7.5571	-66.776	+35.051	-121.79	-24.963	-67.473
06/10/09/23	GM +85.0000	-106.68	+8.5485	-71.243	+37.054	-129.728	-25.462	-72.973
06/10/10/35	GM +88.0000	-104.68	+10.065	-74.752	+37.554	-132.27	-25.462	-79.973
06/10/12/10	GM +90.0000	-112.66	+9.0092	-75.750	+37.557	-137.27	-27.459	-78.973
06/10/14/36	GM +0.0000	-16.950	+13.448	+15.580	+18.026	-20.941	-20.949	+65.343
ECF								
6								
TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG12H UF X .1	H4 LBS/UF	SG117R UF X .1	R5 LBS/UF	SG10M UF X .1	H6 LBS/UF	
06/09/54/17	GM +0.0000	+100.30	+02999	-101.17	+06929	+64.338	+704638	
06/09/56/51	GM +50.0000	+25.450	+124.93	-213.34	+14.902	-19.944	+129.42	
06/09/58/16	GM +60.0000	+14.968	+237.71	-239.26	+15.864	-33.424	+113.86	
06/10/00/46	GM +70.0000	+4.4912	+902.44	-265.19	+16.638	-46.402	+91.157	
06/10/04/40	GM +80.0000	-10.448	+482.81	-285.13	+17.800	-66.879	+72.963	
06/10/09/26	GM +85.0000	-16.419	+326.47	-296.00	+18.183	-74.364	+72.064	
06/10/10/32	GM +88.0000	-19.409	+286.82	-305.07	+18.310	-79.856	+69.061	
06/10/12/07	GM +90.0000	-14.429	+197.79	-316.04	+18.161	-79.357	+72.329	
06/10/14/34	GM +0.0000	+102.79	-4.4781	-133.16	-43.457	+65.446	-767671	
ECF								
TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG110R UF X .1	H7 LBS/UF	SG110A UF X .1	SG110B UF X .1	SG3 UF X .1	SG101 UF X .1	
06/09/54/17	GM +0.0000	-66.128	+04638	-11.877	-19.500	+22.369	-22.917	
06/09/56/51	GM +50.0000	-154.30	+20.473	-63.560	-12.500	-45.173	-91.869	
06/09/58/16	GM +60.0000	-175.94	+21.586	-73.994	-12.500	-57.355	-109.02	
06/10/00/46	GM +70.0000	-195.38	+22.583	-83.930	-11.500	-70.644	-128.18	
06/10/04/40	GM +80.0000	-210.91	+24.067	-93.867	-9.0000	-83.241	-132.92	
06/10/09/26	GM +85.0000	-212.42	+24.478	-98.835	-7.9499	-89.839	-139.44	
06/10/10/32	GM +88.0000	-225.93	+24.782	-101.81	-7.5000	-93.908	-143.41	
06/10/12/07	GM +90.0000	-232.43	+24.692	-104.30	-8.5000	-95.930	-148.19	
06/10/14/34	GM +0.0000	-66.132	-65673	-14.871	-20.086	+22.365	-22.917	
ECF								
TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG2 UF X .1	SG3 UF X .1	SG103 UF X .1	SG4 UF X .1	SG5 UF X .1	SG105 UF X .1	
06/09/54/17	GM +0.0000	+42.350	+44.292	-45.760	+40.689	+26.934	-30.905	
06/09/56/51	GM +50.0000	-27.970	-21.898	-128.92	-21.888	-43.734	-104.56	
06/09/58/16	GM +60.0000	-40.179	-31.073	-136.29	-31.951	-55.939	-121.51	
06/10/00/46	GM +70.0000	-53.304	-42.776	-152.05	-42.610	-69.678	-137.79	
06/10/04/40	GM +80.0000	-67.636	-56.090	-164.78	-54.792	-83.481	-151.42	
06/10/09/26	GM +85.0000	-74.242	-61.622	-171.37	-60.375	-90.812	-158.84	
06/10/10/32	GM +88.0000	-77.802	-65.147	-175.44	-63.476	-94.589	-162.90	
06/10/12/07	GM +90.0000	-78.319	-64.148	-182.05	-62.485	-96.115	-168.30	
06/10/14/34	GM +0.0000	+43.960	+45.747	-46.277	+41.788	+27.956	-30.912	
ECF								
TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG6 UF X .1	SG106 UF X .1	SG7 UF X .1	SG107 UF X .1	SG6 UF X .1	SG108 UF X .1	
06/09/54/17	GM +0.0000	+73.562	-73.043	+72.308	-72.556	+27.869	-28.423	
06/09/56/51	GM +50.0000	-8.1562	-174.97	-48.339	-169.50	-48.984	-115.72	
06/09/58/16	GM +60.0000	-20.341	-196.40	-10.125	-191.83	-62.250	-133.99	
06/10/00/46	GM +70.0000	-34.581	-218.22	-21.709	-213.66	-77.848	-159.27	
06/10/04/40	GM +80.0000	-51.363	-236.09	-36.519	-231.42	-92.359	-178.83	
06/10/09/26	GM +85.0000	-58.991	-245.13	-42.609	-241.06	-108.08	-188.66	
06/10/10/32	GM +88.0000	-62.551	-251.72	-46.183	-246.65	-104.68	-183.73	
06/10/12/07	GM +90.0000	-60.514	-261.47	-43.117	-256.80	-106.13	-189.83	
06/10/14/34	GM +0.0000	+75.591	-75.682	+74.344	-74.079	+28.090	-29.946	
ECF								

Figure A2-6B: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 30 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP PSIG X100	EDI 01 INCHES X1000	EDI 02 INCHES X1000	EDI 03 INCHES X1000
08/09/54/19	GR +0.0000	-446.72	-47.891	+0.0034	+198.07	+130.08	+0.0000	-13.833
08/09/56/46	GR +50.000	+31.322	+31.582	+5.2498	+199.76	+168.04	+0.0000	-215.90
08/09/58/38	GR +60.000	+37.959	+38.281	+6.2578	+200.89	+172.57	+0.0000	-242.06
08/10/00/52	GR +70.000	+44.592	+44.581	+7.1650	+203.46	+185.63	+0.0000	-274.18
08/10/04/35	GR +80.000	+50.761	+50.772	+8.2744	+197.04	+186.57	+0.93741	-304.48
08/10/09/19	GR +85.000	+53.605	+54.072	+8.6777	+207.31	+207.43	+0.0000	-324.81
08/10/10/30	GR +88.000	+55.502	+55.986	+9.0810	+197.04	+194.03	+0.0000	-333.78
08/10/12/08	GR +90.000	+57.398	+57.491	+9.2827	+207.31	+203.36	+0.0000	-342.29
08/10/14/31	GR +0.0000	+0.0076	-47.851	+0.0034	+206.83	+147.39	+0.0000	-19.856
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17B UF X .1	SG117R UF X .1	R1 LBS/UF	SG10B UF X .1	SG219R UF X .1	R2 LBS/UF	R13 KIP/UF
08/09/54/19	GR +0.0000	+100.30	-100.17	+0.01444	472.105	-787.637	+7010.93	+0.15740
08/09/56/46	GR +50.000	+29.450	-212.84	+13.342	+0.0000	-166.782	+19.057	+55.840
08/09/58/38	GR +60.000	+15.968	-239.26	+14.870	+0.5185	-188.36	+21.223	+50.470
08/10/00/50	GR +70.000	+4.4912	-264.69	+16.567	+21.541	-209.74	+23.737	+60.565
08/10/04/37	GR +80.000	-10.448	-284.13	+18.371	+36.870	-226.44	+28.413	+63.585
08/10/09/23	GR +85.000	-11.941	-299.58	+18.635	+39.876	-238.46	+26.884	+64.080
08/10/10/35	GR +88.000	-19.902	-302.08	+19.836	+45.588	-241.97	+28.583	+64.584
08/10/12/10	GR +90.000	-13.434	-316.04	+18.967	+41.581	-251.09	+27.277	+64.482
08/10/14/36	GR +0.0000	+102.29	-102.16	-0.21972	473.607	-72.641	-7307.61	-2.3798
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12B UF X .1	SG112R UF X .1	R3 LBS/UF	SG17C UF X .1	SG17A UF X .1	R4 LBS/UF	R12 KIP/UF
08/09/54/19	GR +0.0000	+71.604	-74.253	+0.01953	432.658	+30.102	+1.8011	42.7200
08/09/56/46	GR +50.000	+4.4750	-179.04	+18.542	+39.190	-27.863	+7.4127	4136.09
08/09/58/38	GR +60.000	-19.941	-203.87	+20.637	+41.782	-37.316	+48.037	4153.86
08/10/00/50	GR +70.000	-32.903	-226.80	+22.998	+43.209	-47.268	+49.289	4170.09
08/10/04/37	GR +80.000	-49.853	-246.24	+25.603	+43.712	-58.711	+49.096	4183.85
08/10/09/23	GR +85.000	-53.841	-259.70	+26.037	+45.772	-62.194	+49.672	4185.66
08/10/10/35	GR +88.000	-59.874	-263.19	+27.521	+44.717	-67.170	+50.026	4157.61
08/10/12/10	GR +90.000	-56.833	-274.68	+26.347	+48.234	-66.175	+50.160	4183.00
08/10/14/36	GR +0.0000	+74.108	-76.248	-0.20789	433.663	+30.102	-12.544	42.6640
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG117C UF X .1	SG117A UF X .1	R4 LBS/UF	SG10C UF X .1	SG10A UF X .1	R10 LBS/UF
08/09/54/19	GR +0.0000	-32.921	-34.969	+1.5014	+18.553	+10.978	+7405.27
08/09/56/46	GR +50.000	-36.915	-105.40	+40.379	+23.060	-41.876	+48.964
08/09/58/38	GR +60.000	-39.411	-120.46	+46.828	+24.562	-52.346	+49.345
08/10/00/50	GR +70.000	-41.408	-134.96	+47.666	+26.064	-62.819	+50.175
08/10/04/37	GR +80.000	-43.908	-147.46	+47.636	+26.565	-73.783	+50.112
08/10/09/23	GR +85.000	-43.485	-155.40	+47.834	+27.568	-78.768	+50.410
08/10/10/35	GR +88.000	-42.986	-156.96	+48.227	+27.065	-82.756	+50.969
08/10/12/10	GR +90.000	-45.902	-163.96	+46.613	+29.668	-84.750	+50.497
08/10/14/36	GR +0.0000	-31.922	-32.469	-12.597	+19.555	+10.978	+3.2009
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG110C UF X .1	SG110A UF X .1	R11 LBS/UF	SG19A UF X .1	SG10C UF X .1
08/09/54/19	GR +0.0000	-10.003	-13.880	+0.50570	+14.570	+16.423
08/09/56/46	GR +50.000	-12.490	-63.931	+61.809	-31.000	+35.051
08/09/58/38	GR +60.000	-11.488	-73.848	+60.871	-38.500	+38.556
08/10/00/50	GR +70.000	-9.0850	-83.265	+60.446	-46.580	+42.562
08/10/04/37	GR +80.000	-7.9819	-93.186	+59.018	-55.588	+46.567
08/10/09/23	GR +85.000	-7.0818	-98.641	+59.128	-59.000	+49.572
08/10/10/35	GR +88.000	-6.9724	-101.41	+59.147	-62.000	+49.071
08/10/12/10	GR +90.000	-7.0618	-104.09	+59.719	-63.000	+52.076
08/10/14/36	GR +0.0000	-19.093	-14.642	-10.737	+15.073	+16.523
ECF						

Figure A2-6C: TABULATED TRANSDUCER DATA-PANEL 2-2-P-1-CONDITION 30 (Continued)

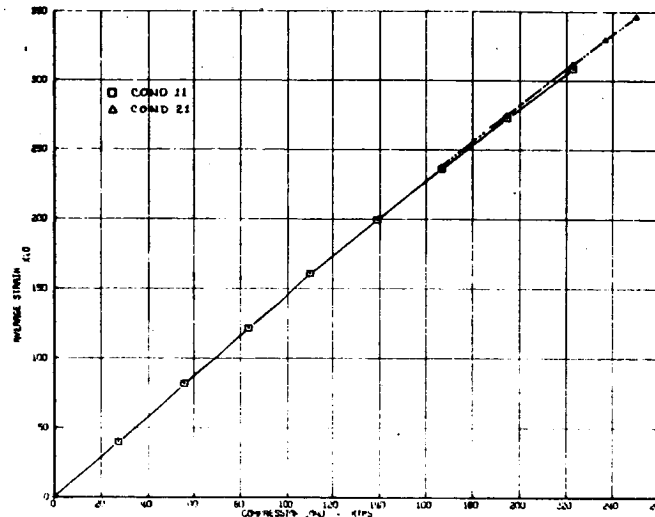


Figure A2-7: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-1—CONDITIONS 11 AND 22

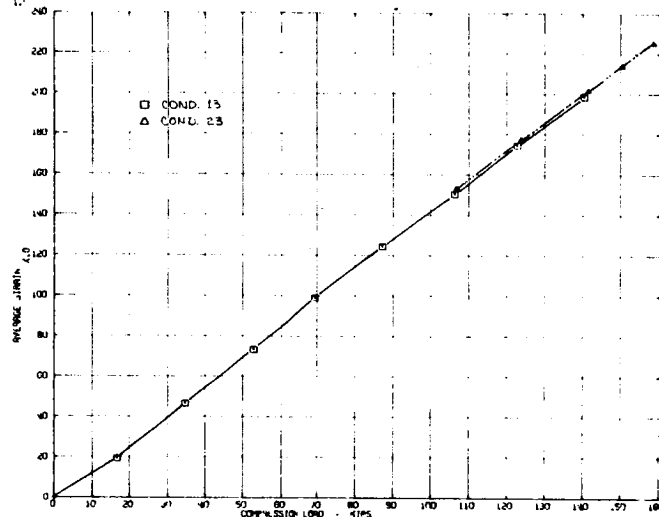


Figure A2-8: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-1—CONDITIONS 13 AND 23

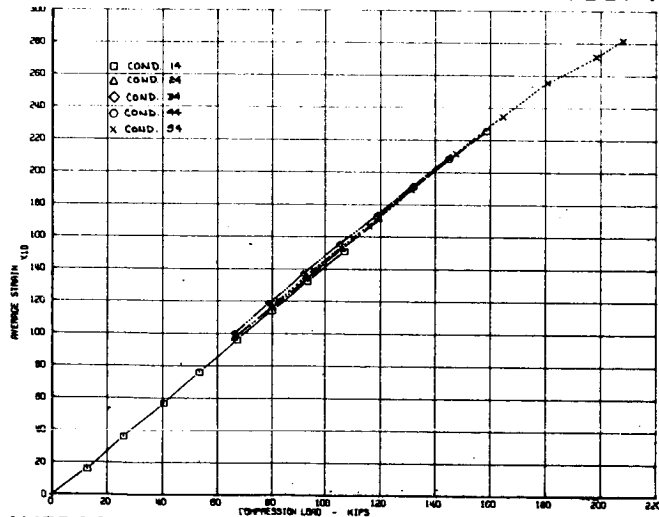


Figure A2-9: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-1—CONDITIONS 14, 24, 34, 44 AND 54



TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 5 UF X .1	SG 105 UF X .1	SG 6 UF X .1	SG 106 UF X .1	SG 7 UF X .1	SG 107 UF X .1
13/15/02/53	GR +0.0000	+1.5834	+4.0722	+1.0419	+9.9400	+2.5600	+1.0151
13/15/08/23	GR +80.0000	+256.43	+261.90	-296.08	+266.79	-276.78	-298.32
13/15/10/27	GR +90.0000	+288.38	+291.34	-348.43	+284.33	-318.46	-329.85
13/15/15/58	GR +92.0000	+295.98	+297.43	-359.55	+280.78	-317.76	-332.96
13/15/19/10	GR +94.0000	+303.98	+302.00	-368.63	+272.67	-324.34	-339.56
13/15/19/52	GR +94.0000	+129.98	+178.57	-68.671	+2.5341	-37.886	-29.046
13/15/23/24	GR +0.0000	+12.732	+11.187	+61.929	+55.041	+56.528	+77.261
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 8 UF X .1	SG 108 UF X .1	SG 10 UF X .1	SG 110 UF X .1	SG 12 UF X .1	SG 112 UF X .1
13/15/02/53	GR +0.0000	+1.0361	+1.80683	+2.5341	+2.8332	+4.0732	+1.9419
13/15/08/23	GR +80.0000	+251.02	+259.90	-288.89	+266.38	-286.79	-302.54
13/15/10/27	GR +90.0000	+282.34	+291.43	-330.45	+298.47	-321.78	-336.38
13/15/15/58	GR +92.0000	+287.88	+297.80	-342.11	+292.48	-324.79	-342.05
13/15/19/10	GR +94.0000	+293.49	+302.58	-356.38	+293.49	-338.39	-349.50
13/15/19/52	GR +94.0000	+137.81	+175.16	-98.833	+44.369	-107.996	-53.021
13/15/23/24	GR +0.0000	+42.113	+19.343	+53.952	+38.122	+61.228	+50.759
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 9A UF X .1	SG 9B UF X .1	SG 9C UF X .1	SG 11A UF X .1	SG 11R UF X .1	SG 11C UF X .1
13/15/02/53	GR +0.0000	+9.0093	+4.0058	+3.8126	+2.9941	+5.0166	+2.4912
13/15/08/23	GR +80.0000	+292.364	+293.43	-94.868	+94.872	-315.35	-108.21
13/15/10/27	GR +90.0000	+102.39	+329.03	-107.28	+107.44	-351.99	-121.86
13/15/15/58	GR +92.0000	+103.89	+337.80	-109.26	+110.00	-359.01	-124.52
13/15/19/10	GR +94.0000	+105.34	+344.48	-111.75	+114.37	-366.35	-127.00
13/15/19/52	GR +94.0000	+141.70	+93.294	+77.996	+10.892	-147.329	-187.283
13/15/23/24	GR +0.0000	+20.968	+57.583	+54.160	+30.448	+89.726	+17.938
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 13A UF X .1	SG 13B UF X .1	SG 13C UF X .1	SG 14A UF X .1	SG 14R UF X .1	SG 14C UF X .1
13/15/02/53	GR +0.0000	+1.5274	+34.077	-2.4872	+1.5088	+5.5808	+1.5019
13/15/08/23	GR +80.0000	+94.190	+286.06	-92.848	+85.494	-274.59	-86.580
13/15/10/27	GR +90.0000	+105.16	+322.39	-102.49	+95.887	-307.84	-95.500
13/15/15/58	GR +92.0000	+107.68	+328.16	-104.48	+98.371	-314.53	-97.000
13/15/19/10	GR +94.0000	+109.14	+333.83	-105.98	+101.84	-321.02	-98.000
13/15/19/52	GR +94.0000	+11.523	+59.680	-118.41	+152.52	-144.28	+48.070
13/15/23/24	GR +0.0000	+57.021	+87.144	-49755	+28.819	+23.800	+39.057
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 15A UF X .1	SG 15B UF X .1	SG 15C UF X .1	SG 16A UF X .1	SG 16R UF X .1	SG 16C UF X .1
13/15/02/52	GR +0.0000	+4.0273	+2.9853	+5.9878	+3.9863	+6.0808	+2.9941
13/15/08/21	GR +80.0000	+108.92	+102.99	-384.60	+103.47	-385.18	-109.68
13/15/10/30	GR +90.0000	+122.42	+116.42	-340.49	+117.34	-347.49	-124.95
13/15/16/02	GR +92.0000	+124.48	+119.41	-347.42	+120.88	-351.46	-128.42
13/15/19/08	GR +94.0000	+129.00	+123.39	-353.96	+124.94	-361.43	-132.88
13/15/19/54	GR +94.0000	+14.590	+33.336	-37.888	+31.898	-33.401	-53.581
13/15/23/19	GR +0.0000	+98.178	+11.880	+67.898	+45.344	+72.388	+9.9882
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 116A UF X .1	SG 116B UF X .1	SG 116C UF X .1	SG 18R UF X .1	SG 18R UF X .1	SG 18C UF X .1
13/15/02/52	GR +0.0000	+1.5336	+4.5080	+5.5266	+4.5297	+4.9458	+4.9884
13/15/08/21	GR +80.0000	+113.43	+305.10	-82.868	+87.843	-277.68	-89.883
13/15/10/30	GR +90.0000	+124.58	+138.90	-90.526	+107.492	-318.94	-108.98
13/15/16/02	GR +92.0000	+128.98	+143.49	-91.521	+109.988	-317.41	-109.49
13/15/19/08	GR +94.0000	+130.08	+147.47	-92.819	+101.47	-323.88	-104.48
13/15/19/54	GR +94.0000	+46.318	+46.363	+17.828	+56.599	-128.883	-129.86
13/15/23/19	GR +0.0000	+9.0419	+65.880	+32.528	+47.529	+35.829	+14.429
ECF							

Figure A2-11A: TABULATED TRANSDUCER DATA—PANEL 2-2-P-2—CONDITION 11
(100 PERCENT LOAD = 278 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP PSIN X100	ED1-D1 INCHES X1000	ED1-D2 INCHES X1000	ED1-D3 INCHES X1000
13/15/02/51	GR +0.0000	+0.0000	+0.0209	-0.20312	01.2690	+7.5190	-0.3047	+9.0491
13/15/08/22	GR +0.0000	+111.28	+110.70	-1.0156	01.2690	+1.9210	+0.0000	+76.030
13/15/10/34	GR +0.0000	+125.33	+125.01	-1.0156	01.2690	+1.9210	+0.3790	+03.037
13/15/16/04	GR +0.0000	+127.60	+127.87	-1.0156	01.2690	+1.9210	+0.0000	+03.037
13/15/19/09	GR +0.0000	+130.04	+130.74	-1.0156	01.2690	+0.9515	+0.0000	+07.736
13/15/19/58	GR +0.0000	+09.498	+03.954	-1.0156	01.2690	+443.16	+0.3790	+116.98
13/15/23/17	GR +0.0000	+0.0000	+2.0330	-1.00625	01.2690	+442.23	+1.0764	+167.47
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17A UE X .1	SG17B UE X .1	SG17C UE X .1	SG117A UE X .1	SG117B UE X .1	SG117C UE X .1	
13/15/02/51	GR +0.0000	+4.4643	+6.0087	+3.5170	+7.5202	+4.0202	+1.9371	
13/15/08/22	GR +0.0000	+03.065	+309.59	-110.24	+102.96	-300.99	-104.16	
13/15/10/34	GR +0.0000	+103.90	+347.47	-134.64	+113.91	-342.28	-119.13	
13/15/16/04	GR +0.0000	+104.91	+357.44	-130.60	+115.00	-349.75	+116.02	
13/15/19/09	GR +0.0000	+100.92	+367.42	-144.01	+117.39	-350.73	-117.62	
13/15/19/58	GR +0.0000	+44.343	+24.926	-51.173	+30.277	-35.742	+17.112	
13/15/23/17	GR +0.0000	+44.343	+73.106	+7.9366	+6.9202	+65.029	+37.712	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	R1 LR/UE	R2 LR/UE	R3 LR/UE	R4 LR/UE	R5 KIPS/UE		
13/15/02/51	GR +0.0000	+114794	+14941	+14794	+11.744	-47.0029		
13/15/08/22	GR +0.0000	+308.63	+243.05	+157.60	+95.730	+301.00		
13/15/10/34	GR +0.0000	+401.92	+250.17	+128.33	+04.021	+377.39		
13/15/16/04	GR +0.0000	+350.65	+204.41	+111.21	+79.990	+372.03		
13/15/19/09	GR +0.0000	+186.20	+349.26	+08.500	+76.080	+369.30		
13/15/19/58	GR +0.0000	+119.60	+15.479	+10.956	+0.5209	+410.99		
13/15/23/17	GR +0.0000	+7.5073	+1.74091	-1.93096	+4.1009	+102.04		
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	R6 KIPS/UE	R7 KIPS/UE	R8 KIPS/UE	R9 KIPS/UE	R10 KIPS/UE		
13/15/02/51	GR +0.0000	+7.6533	+27.9453	-4.3020	+7.2543	+3.3303		
13/15/08/22	GR +0.0000	+420.00	+432.41	+433.76	+332.06	+333.94		
13/15/10/34	GR +0.0000	+430.06	+434.09	+441.71	+334.47	+340.11		
13/15/16/04	GR +0.0000	+440.93	+430.04	+444.53	+331.00	+340.23		
13/15/19/09	GR +0.0000	+440.60	+427.61	+449.11	+329.45	+345.79		
13/15/19/58	GR +0.0000	+084.30	+100.08	+1977.0	+090.32	+1194.6		
13/15/23/17	GR +0.0000	+184.60	+23.703	+26.013	+17.173	-10.332		
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG 1 UE X .1	SG 101 UE X .1	SG 2 UE X .1	SG 3 UE X .1	SG 103 UE X .1	SG 4 UE X .1	
13/15/02/51	GR +0.0000	+10900	+4.0071	+3.9622	+3.9803	+2.9664	+4.6064	
13/15/08/23	GR +0.0000	+194.98	+499.03	-222.31	+233.62	-196.46	-233.34	
13/15/10/27	GR +0.0000	+220.71	+222.71	-259.30	+260.09	-200.00	-203.14	
13/15/18/06	GR +0.0000	+226.21	+226.78	-264.44	+276.70	-204.59	-200.91	
13/15/19/10	GR +0.0000	+232.33	+230.05	-277.13	+279.74	-194.44	-277.90	
13/15/19/59	GR +0.0000	+140.40	+140.33	-77.650	+95.000	+30.014	-26.241	
13/15/23/24	GR +0.0000	+10.370	+11.223	+45.012	+101.702	+43.730	+20.005	
ECF								

Figure A2-11B: TABULATED TRANSDUCER DATA—PANEL 2-2-P-2—CONDITION 11 (Continued)

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	SG 13A UE X .1	SG 13B UE X .1	SG 13C UF X .1	SG 14A UE X .1	SG 14B UE X .1	SG 14C UE X .1
13/13/34/35	GR +0.0000	+11.522	+11.843	-12.438	+0.0000	+3.0000	-1.9000
13/13/40/23	GR +80.000	+70.768	+118.40	-7.4633	+42.870	-189.31	-2.9000
13/13/44/18	GR +90.000	+80.233	+133.31	-6.4682	+93.463	-148.78	+1.9999
13/13/47/36	GR +100.00	+80.200	+149.76	-6.9658	+184.73	-161.76	-1.9999
13/13/49/32	GR +102.00	+81.208	+147.74	-6.9658	+189.82	-164.75	-1.9000
13/13/50/57	GR +104.00	+84.196	+149.74	-6.9658	+108.38	-167.79	-1.9999
13/13/52/40	GR +106.00	+85.691	+151.72	-6.9658	+110.29	-178.79	-1.9999
13/13/55/05	GR +108.00	+87.686	+154.71	-6.9658	+113.27	-173.74	-1.9999
13/13/58/08	GR +110.00	+89.181	+156.70	-6.9658	+119.76	-176.74	-1.9000
13/14/00/12	GR +0.0000	+85.273	+3.9322	-9.4936	+5.0000	+2.0000	+7.9999
EOF							

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	SG 15A UE X .1	SG 15B UE X .1	SG 15C UF X .1	SG 16A UE X .1	SG 16B UE X .1	SG 16C UE X .1
13/13/34/38	GR +0.0000	+9.5378	+2.4897	+5.9878	+32.887	+101.78	+29.941
13/13/40/21	GR +80.000	+46.378	+8.0000	-138.59	+52.482	+12.900	+41.917
13/13/44/22	GR +90.000	+108.42	+9.0000	-156.04	+66.840	+1.9941	+40.919
13/13/47/39	GR +100.00	+120.93	+10.000	-171.98	+84.669	-4.4886	+37.925
13/13/49/30	GR +102.00	+122.43	+10.000	-179.48	+87.639	-6.9794	+37.476
13/13/50/58	GR +104.00	+125.48	+10.000	-178.42	+91.596	-8.9736	+37.426
13/13/52/40	GR +106.00	+127.48	+10.000	-181.96	+95.862	-10.967	+36.428
13/13/55/03	GR +108.00	+130.50	+11.000	-185.45	+99.893	-12.463	+35.430
13/13/58/12	GR +110.00	+132.51	+11.000	-187.94	+103.97	-11.964	+33.933
13/14/00/14	GR +0.0000	+4.5303	+2.4897	+5.0873	+25.412	+77.000	+22.955
EOF							

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	SG 116A UE X .1	SG 116B UE X .1	SG 116C UF X .1	SG 18A UE X .1	SG 18B UE X .1	SG 18C UE X .1
13/13/34/38	GR +0.0000	+30.888	+93.224	-27.336	+1.0244	-4.9458	-7.9511
13/13/40/21	GR +80.000	+155.51	+291.64	-33.805	+86.549	-129.73	+7.9864
13/13/44/22	GR +90.000	+160.91	+316.87	-34.800	+95.909	-145.29	+7.9804
13/13/47/39	GR +100.00	+186.42	+343.49	-37.288	+106.74	-159.68	+1.4970
13/13/49/30	GR +102.00	+188.92	+348.47	-37.785	+108.93	-163.66	+1.4970
13/13/50/58	GR +104.00	+191.98	+352.96	-37.288	+110.92	-166.69	+1.4970
13/13/52/40	GR +106.00	+194.88	+357.94	-37.288	+113.41	-169.63	+1.4970
13/13/55/03	GR +108.00	+198.30	+361.43	-38.283	+115.70	-177.62	+1.4970
13/13/58/12	GR +110.00	+202.32	+321.40	-38.780	+117.89	-176.10	+1.4970
13/14/00/14	GR +0.0000	+2.405	+70.263	-20.371	+1.5207	-9.4433	-7.4675
EOF							

Figure A2-12A: TABULATED TRANSDUCER DATA—PANEL 2-2-P-2—CONDITION 30
(100 PERCENT LOAD = 128 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG 1 UE X .1	SG 101 UE X .1	SG 2 UE X .1	SG 3 UE X .1	SG 103 UE X .1	SG 4 UE X .1
13/13/34/35	GR +0.0000	+23.914	+19.800	+41.740	+45.329	-41.900	+46.347
13/13/40/23	GR +80.000	+45.042	+126.740	-50.796	+44.596	-165.45	-39.375
13/13/44/18	GR +90.000	+76.794	+139.31	-62.431	+95.197	-181.51	-49.477
13/13/47/36	GR +100.00	+87.362	+152.83	-73.888	+65.356	-197.98	-58.044
13/13/49/32	GR +102.00	+88.382	+154.06	-75.120	+66.877	-201.01	-59.560
13/13/50/57	GR +104.00	+91.900	+195.48	-77.658	+69.411	-203.54	-61.680
13/13/52/40	GR +106.00	+93.928	+198.13	-80.703	+71.438	-206.47	-63.821
13/13/55/05	GR +108.00	+95.948	+198.47	-83.841	+73.873	-210.18	-66.146
13/13/58/08	GR +110.00	+97.466	+198.71	-84.856	+74.879	-214.14	-68.146
13/14/00/12	GR +0.0000	+20.864	+13.706	+32.978	+34.639	-38.787	+35.647
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG 5 UE X .1	SG 105 UE X .1	SG 6 UE X .1	SG 106 UE X .1	SG 7 UE X .1	SG 107 UE X .1
13/13/34/35	GR +0.0000	+29.506	+24.871	+69.662	+68.492	+73.835	+72.582
13/13/40/23	GR +80.000	+82.082	+154.80	-34.828	+244.29	-16.492	-242.61
13/13/44/18	GR +90.000	+95.766	+170.83	-46.446	+269.98	-26.836	-283.42
13/13/47/36	GR +100.00	+104.48	+184.27	-55.538	+289.41	-32.411	-287.78
13/13/49/32	GR +102.00	+110.46	+188.81	-57.853	+293.45	-34.438	-291.85
13/13/50/57	GR +104.00	+113.90	+191.86	-59.979	+298.01	-35.959	-299.40
13/13/52/40	GR +106.00	+116.04	+194.39	-62.104	+302.87	-37.479	-300.97
13/13/55/05	GR +108.00	+118.53	+197.44	-64.125	+306.63	-39.000	-305.07
13/13/58/08	GR +110.00	+120.68	+200.99	-63.628	+312.71	-37.986	-311.13
13/14/00/12	GR +0.0000	+22.898	+18.272	+52.888	+51.198	+55.001	+55.325
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG 8 UE X .1	SG 108 UE X .1	SG 10 UE X .1	SG 110 UE X .1	SG 12 UE X .1	SG 112 UE X .1
13/13/34/35	GR +0.0000	+30.468	+28.889	+65.665	+62.927	+75.508	+72.206
13/13/40/23	GR +80.000	+83.825	+170.80	-49.163	+226.53	-22.231	-257.58
13/13/44/18	GR +90.000	+98.472	+188.54	-62.340	+249.66	-32.854	-279.81
13/13/47/36	GR +100.00	+111.60	+207.99	-73.998	+267.31	-39.936	-309.57
13/13/49/32	GR +102.00	+114.63	+211.85	-76.932	+270.83	-41.454	-310.62
13/13/50/57	GR +104.00	+117.66	+214.89	-79.973	+274.36	-43.479	-314.66
13/13/52/40	GR +106.00	+120.18	+217.93	-82.614	+278.39	-44.999	-318.70
13/13/55/05	GR +108.00	+123.73	+221.48	-85.148	+282.41	-46.512	-324.26
13/13/58/08	GR +110.00	+125.78	+226.55	-85.655	+287.09	-46.806	-330.83
13/14/00/12	GR +0.0000	+22.855	+22.300	+49.375	+47.321	+56.637	+54.021
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG 9A UE X .1	SG 9B UE X .1	SG 9C UE X .1	SG 112 UE X .1	SG 112 UE X .1	SG 11C UE X .1
13/13/34/35	GR +0.0000	+5.9912	+5.5078	+12.442	+4.4912	+5.0146	+7.49804
13/13/40/23	GR +80.000	+104.84	+138.89	+16.916	+89.616	-145.93	+1.9931
13/13/44/18	GR +90.000	+117.32	+156.54	+17.910	+100.50	-163.39	+2.4912
13/13/47/36	GR +100.00	+129.88	+173.49	+18.406	+111.89	-186.48	+2.4912
13/13/49/32	GR +102.00	+131.88	+176.98	+18.903	+113.38	-184.15	+2.4912
13/13/50/57	GR +104.00	+134.88	+179.97	+18.903	+115.85	-187.61	+2.4912
13/13/52/40	GR +106.00	+137.28	+182.96	+19.399	+117.83	-190.58	+2.4912
13/13/55/05	GR +108.00	+139.28	+186.45	+19.399	+120.31	-194.05	+2.4912
13/13/58/08	GR +110.00	+142.28	+189.94	+19.896	+122.78	-197.51	+2.4912
13/14/00/12	GR +0.0000	+3.4951	+4.5063	+10.461	+2.9941	+3.0234	+7.49804
EOF							

Figure A2-12B: TABULATED TRANSDUCER DATA-PANEL 2-2-P-2-CONDITION 30 (Continued)

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP KIPS	ED1401 INCHES X1000	ED1402 INCHES X1000	ED1403 INCHES X1000
13/13/34/42	GR +0.0000	+0.0000	+0.0029	-1.0156	+194.16	+145.90	+0.0000	+13.607
13/13/34/22	GR +0.0000	+0.0000	+0.0073	+0.1474	+201.14	+231.40	+0.0000	+22.344
13/13/44/17	GR +0.0000	+0.0000	+0.0073	+0.0532	+198.60	+243.53	+0.0000	+24.764
13/13/42/39	GR +100.00	+64.052	+64.431	+10.050	+201.14	+260.32	+0.0000	+20.790
13/13/49/31	GR +102.00	+65.498	+64.908	+10.300	+201.14	+264.90	+0.0000	+20.668
13/13/51/01	GR +104.00	+66.908	+66.339	+10.440	+199.07	+265.02	+0.0000	+20.594
13/13/52/47	GR +106.00	+68.250	+67.270	+10.762	+199.23	+270.50	+0.0000	+20.444
13/13/55/04	GR +108.00	+69.260	+69.201	+10.963	+197.33	+272.45	+0.0000	+20.410
13/13/58/06	GR +110.00	+70.260	+70.155	+11.260	+201.14	+277.11	+0.0000	+20.307
13/14/00/11	GR +0.0000	+0.0000	+0.0029	-1.0156	+145.94	+112.03	+0.0000	+17.312
EOF								

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	SG17A UE X 1	SG17B UE X 1	SG17C UE X 1	SG117A UE X 1	SG117B UE X 1	SG117C UE X 1
13/13/34/42	GR +0.0000	+0.0000	+0.0029	+0.0073	+0.0000	+0.0000	+0.0000
13/13/34/22	GR +0.0000	+0.0000	+0.0073	+0.0147	+0.0000	+0.0000	+0.0000
13/13/44/17	GR +0.0000	+0.0000	+0.0073	+0.0053	+0.0000	+0.0000	+0.0000
13/13/42/39	GR +100.00	+64.052	+64.431	+10.050	+201.14	+260.32	+0.0000
13/13/49/31	GR +102.00	+65.498	+64.908	+10.300	+201.14	+264.90	+0.0000
13/13/51/01	GR +104.00	+66.908	+66.339	+10.440	+199.07	+265.02	+0.0000
13/13/52/47	GR +106.00	+68.250	+67.270	+10.762	+199.23	+270.50	+0.0000
13/13/55/04	GR +108.00	+69.260	+69.201	+10.963	+197.33	+272.45	+0.0000
13/13/58/06	GR +110.00	+70.260	+70.155	+11.260	+201.14	+277.11	+0.0000
13/14/00/11	GR +0.0000	+0.0000	+0.0029	-1.0156	+145.94	+112.03	+0.0000
EOF							

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	R1 LX/UE	R2 LX/UE	R3 LX/UE	R4 LX/UE	R5 KIPS/UE
13/13/34/42	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
13/13/34/22	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
13/13/44/17	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
13/13/42/39	GR +100.00	+64.052	+64.431	+10.050	+201.14	+260.32
13/13/49/31	GR +102.00	+65.498	+64.908	+10.300	+201.14	+264.90
13/13/51/01	GR +104.00	+66.908	+66.339	+10.440	+199.07	+265.02
13/13/52/47	GR +106.00	+68.250	+67.270	+10.762	+199.23	+270.50
13/13/55/04	GR +108.00	+69.260	+69.201	+10.963	+197.33	+272.45
13/13/58/06	GR +110.00	+70.260	+70.155	+11.260	+201.14	+277.11
13/14/00/11	GR +0.0000	+0.0000	+0.0029	-1.0156	+145.94	+112.03
EOF						

TIME IN DAY/MR/HN/SEC	PER CENT LOAD	R6 KIPS/UE	R7 KIPS/UE	R8 KIPS/UE	R9 KIPS/UE	R10 KIPS/UE
13/13/34/42	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
13/13/34/22	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
13/13/44/17	GR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
13/13/42/39	GR +100.00	+64.052	+64.431	+10.050	+201.14	+260.32
13/13/49/31	GR +102.00	+65.498	+64.908	+10.300	+201.14	+264.90
13/13/51/01	GR +104.00	+66.908	+66.339	+10.440	+199.07	+265.02
13/13/52/47	GR +106.00	+68.250	+67.270	+10.762	+199.23	+270.50
13/13/55/04	GR +108.00	+69.260	+69.201	+10.963	+197.33	+272.45
13/13/58/06	GR +110.00	+70.260	+70.155	+11.260	+201.14	+277.11
13/14/00/11	GR +0.0000	+0.0000	+0.0029	-1.0156	+145.94	+112.03
EOF						

Figure A2-12C: TABULATED TRANSDUCER DATA—PANEL 2-2-P-2—CONDITION 30 (Continued)

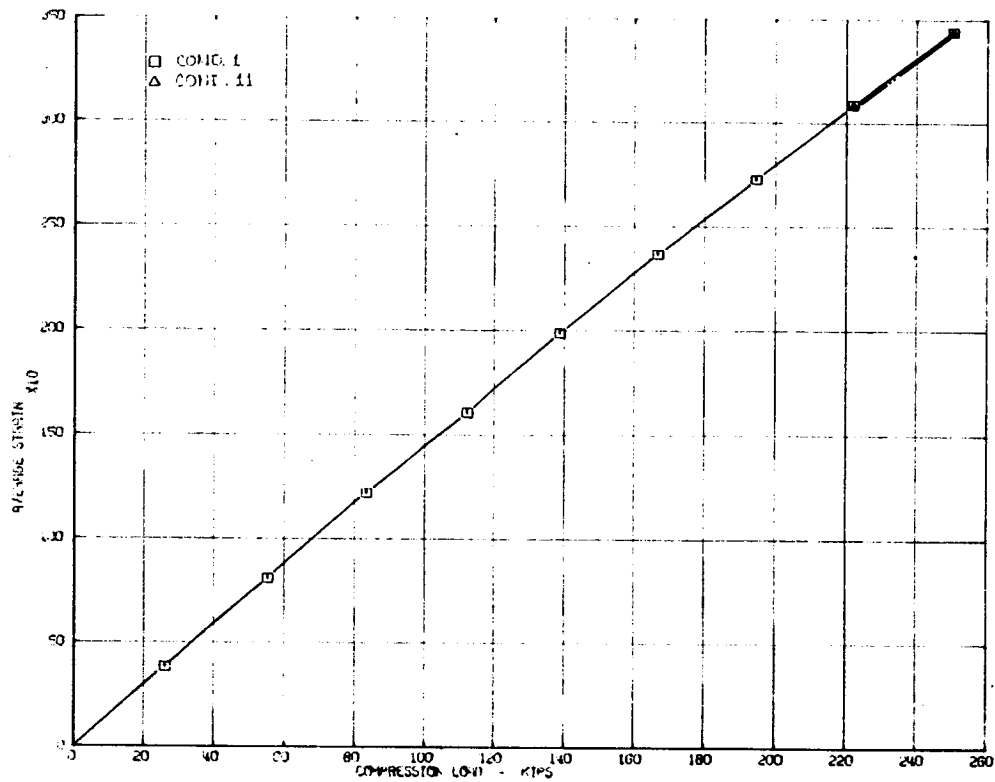


Figure A2-13 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITIONS 1 AND 11

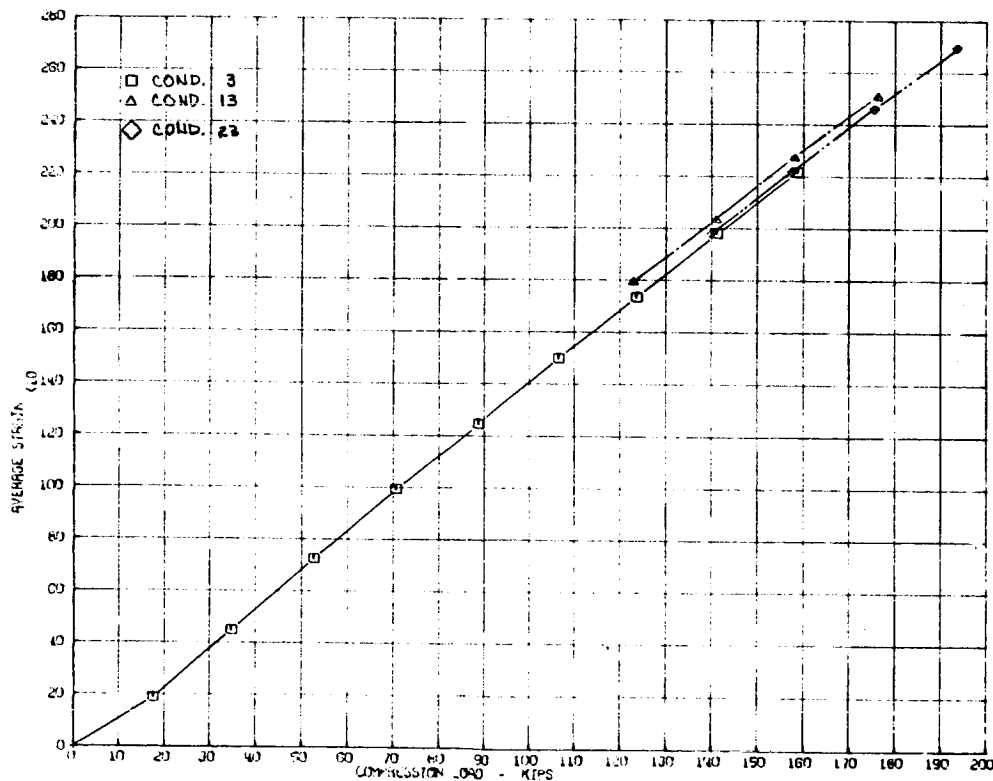


Figure A2-14 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITIONS 3, 13 AND 23

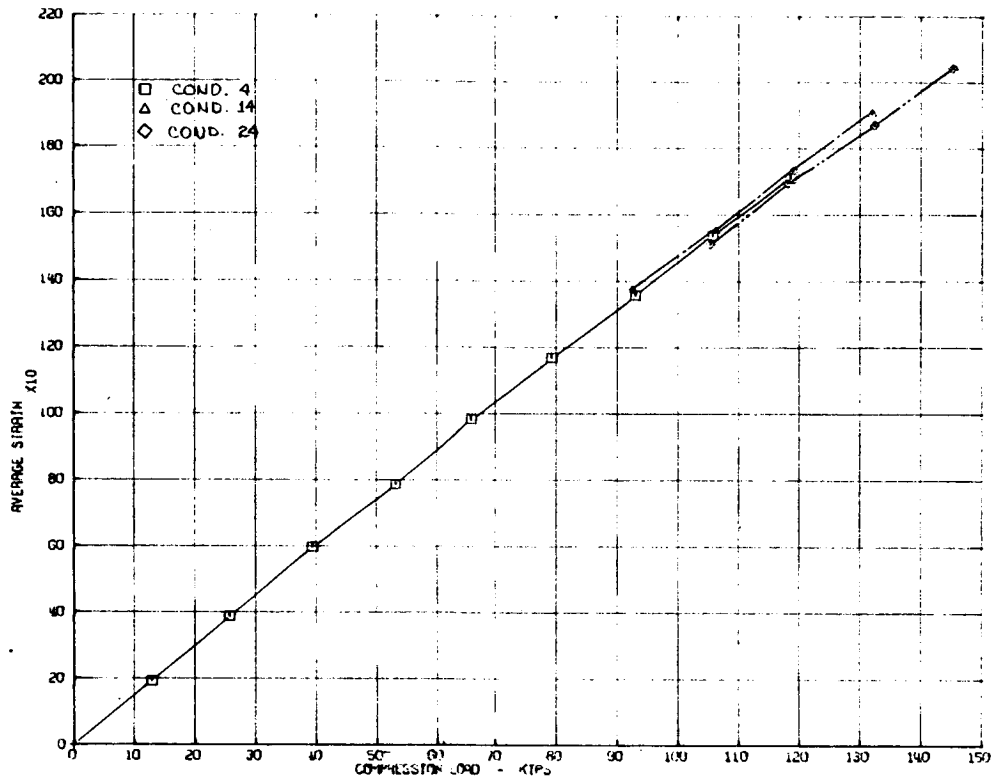


Figure A2-15 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITIONS 4, 14 AND 24

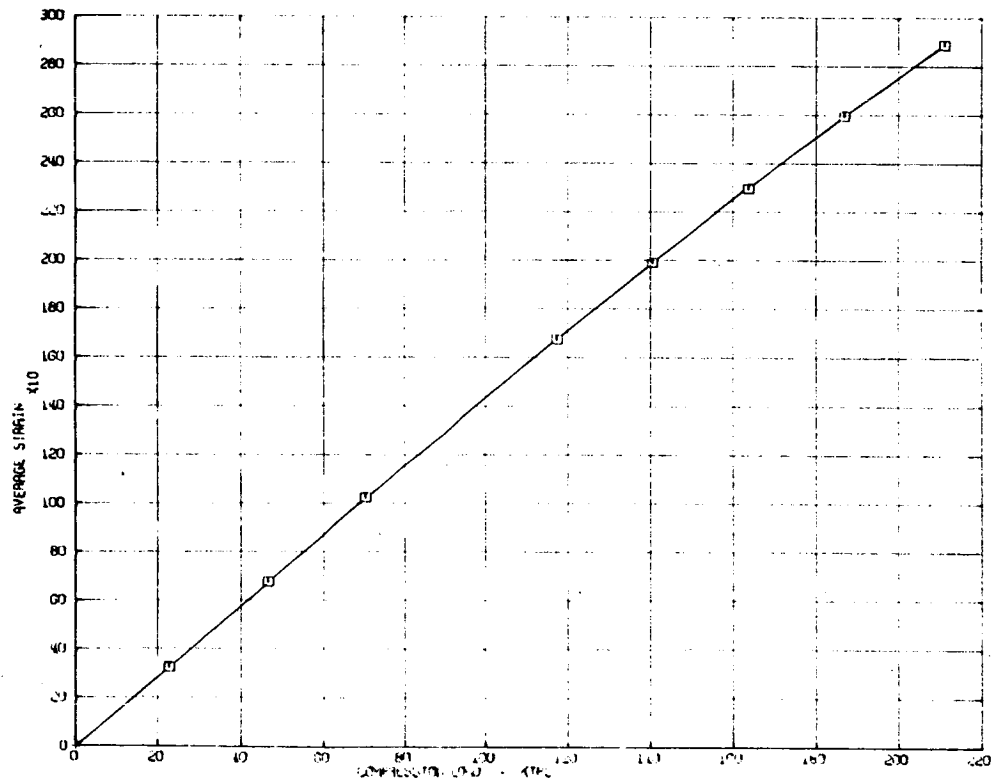


Figure A2-16 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITION 5

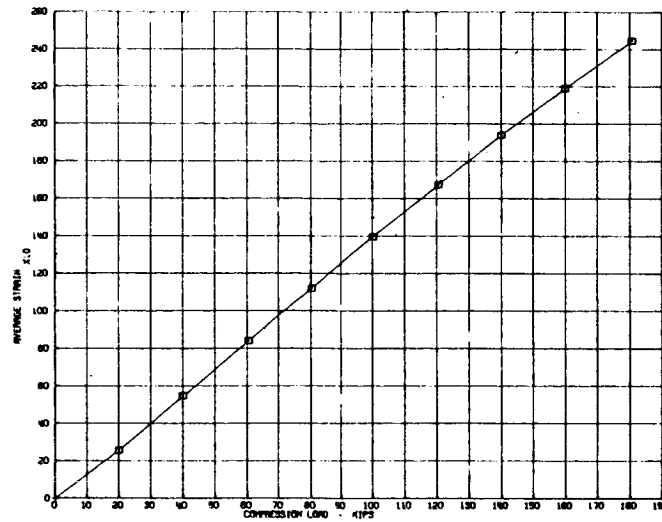


Figure A2-17 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITION 6

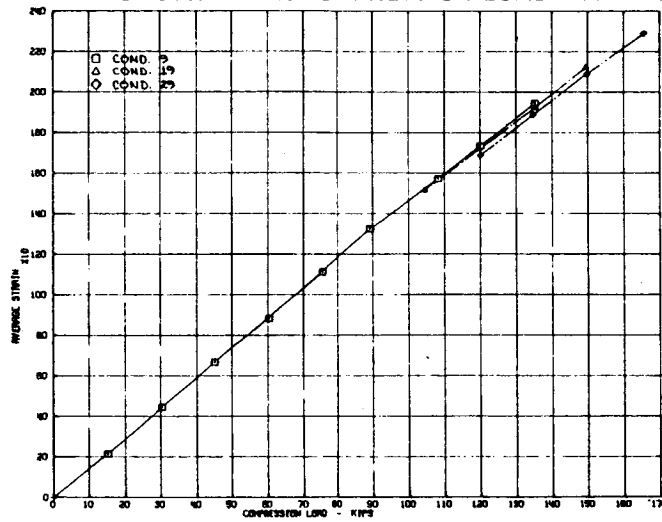


Figure A2-18 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITION 9

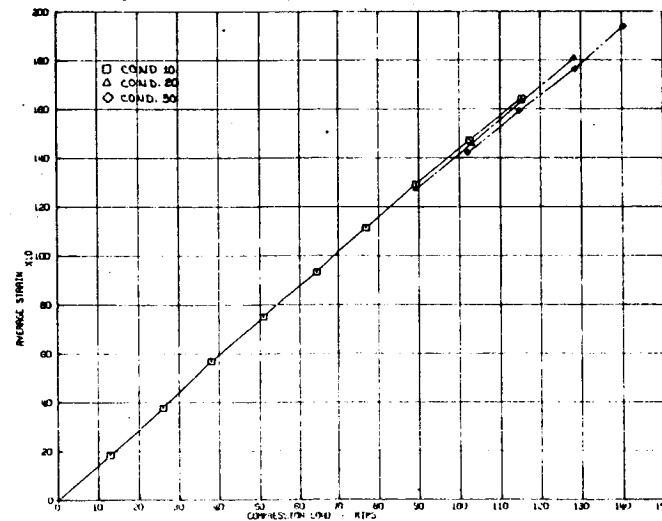


Figure A2-19 : AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2-2-P-2—CONDITION 10

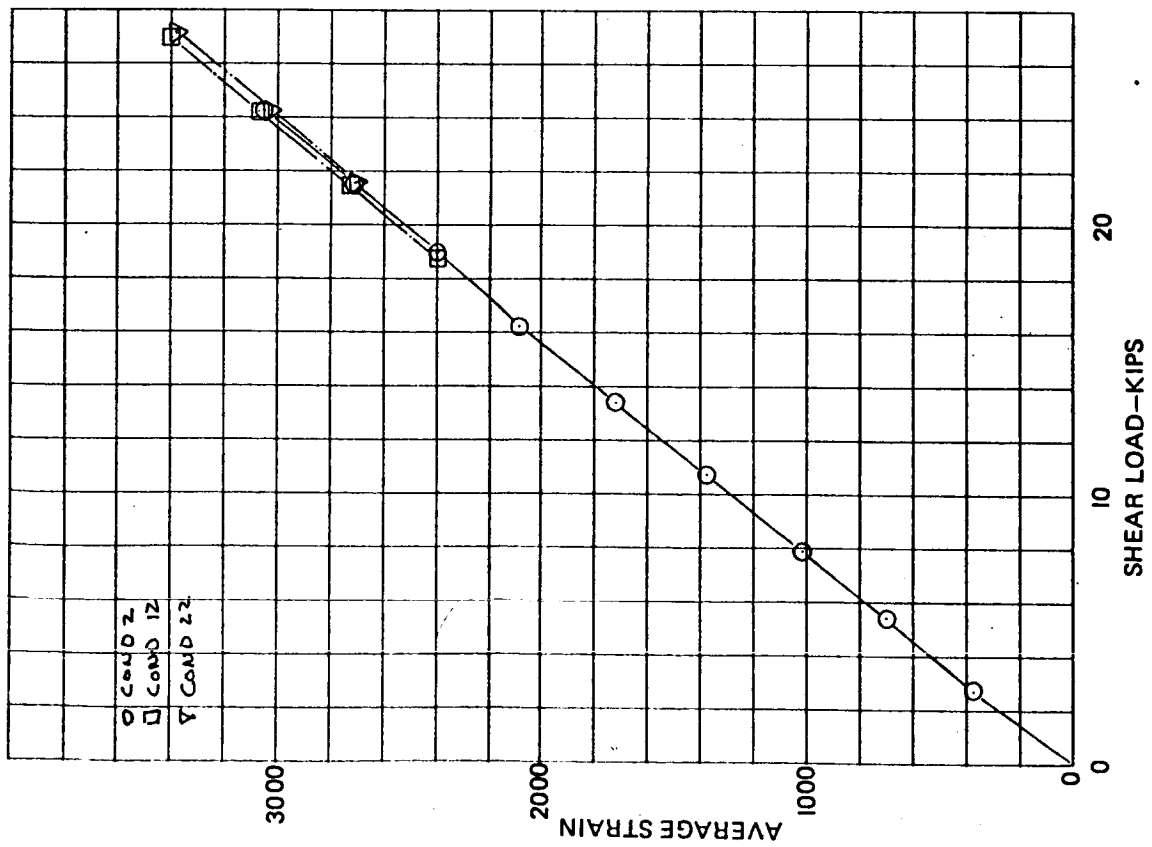


Figure A2-20: AVERAGE STRAIN VS. SHEAR LOAD-
PANEL 2-2-P-2-CONDITION 2

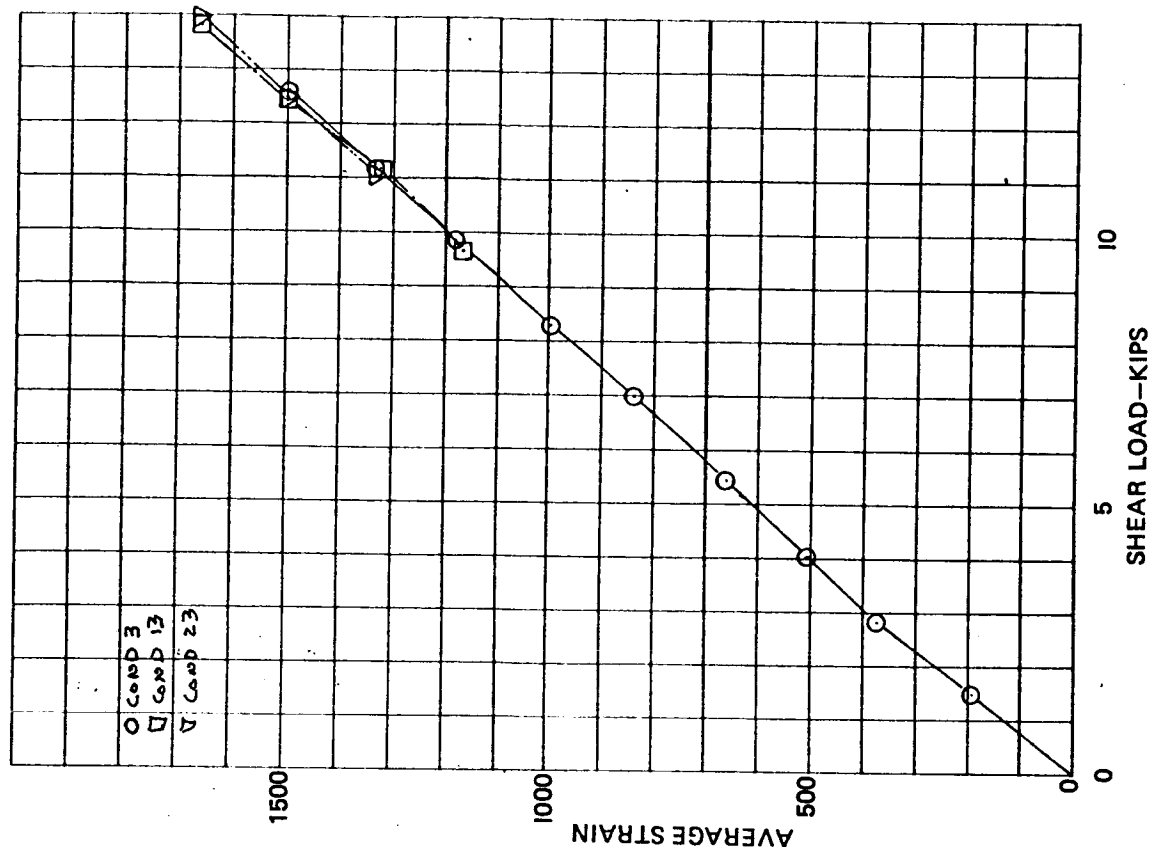


Figure A2-21: AVERAGE STRAIN VS. SHEAR LOAD-
PANEL 2-2-P-2-CONDITIONS 3, 13 AND 23

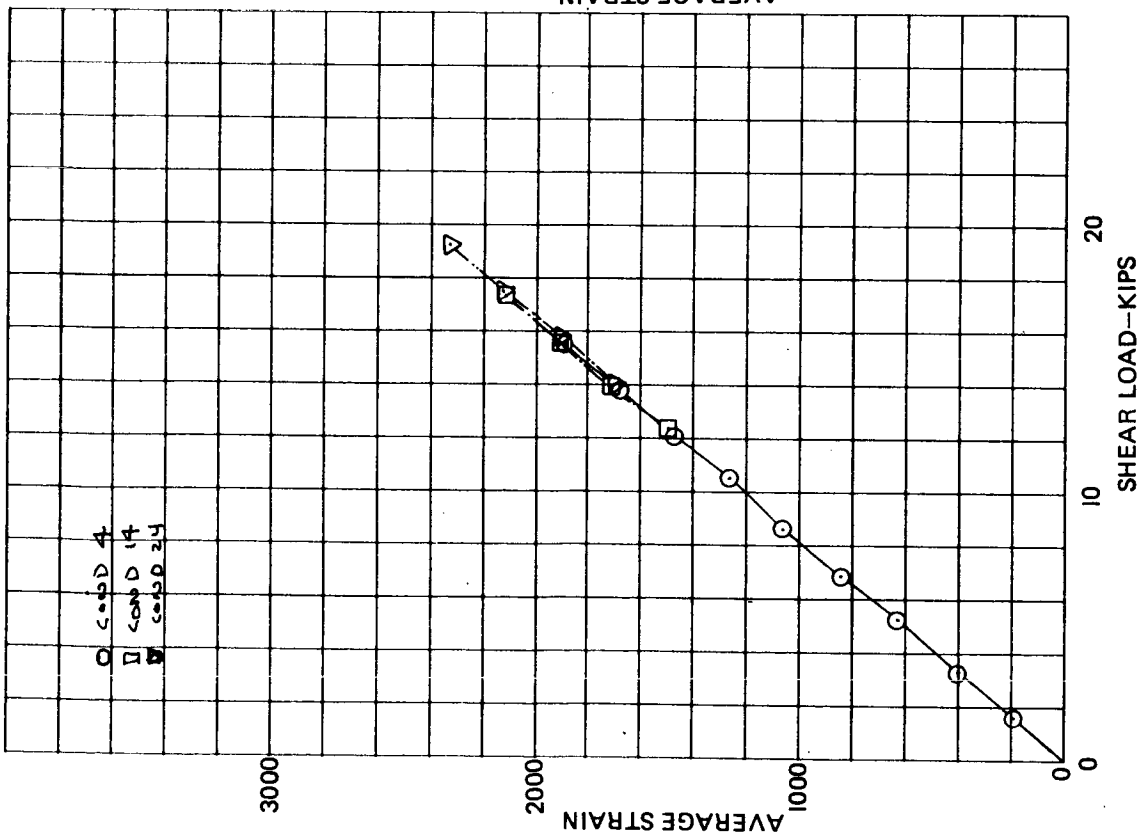


Figure A2-22: AVERAGE STRAIN VS. SHEAR LOAD—
PANEL 2-2-P-2—CONDITIONS 4, 14 AND 24

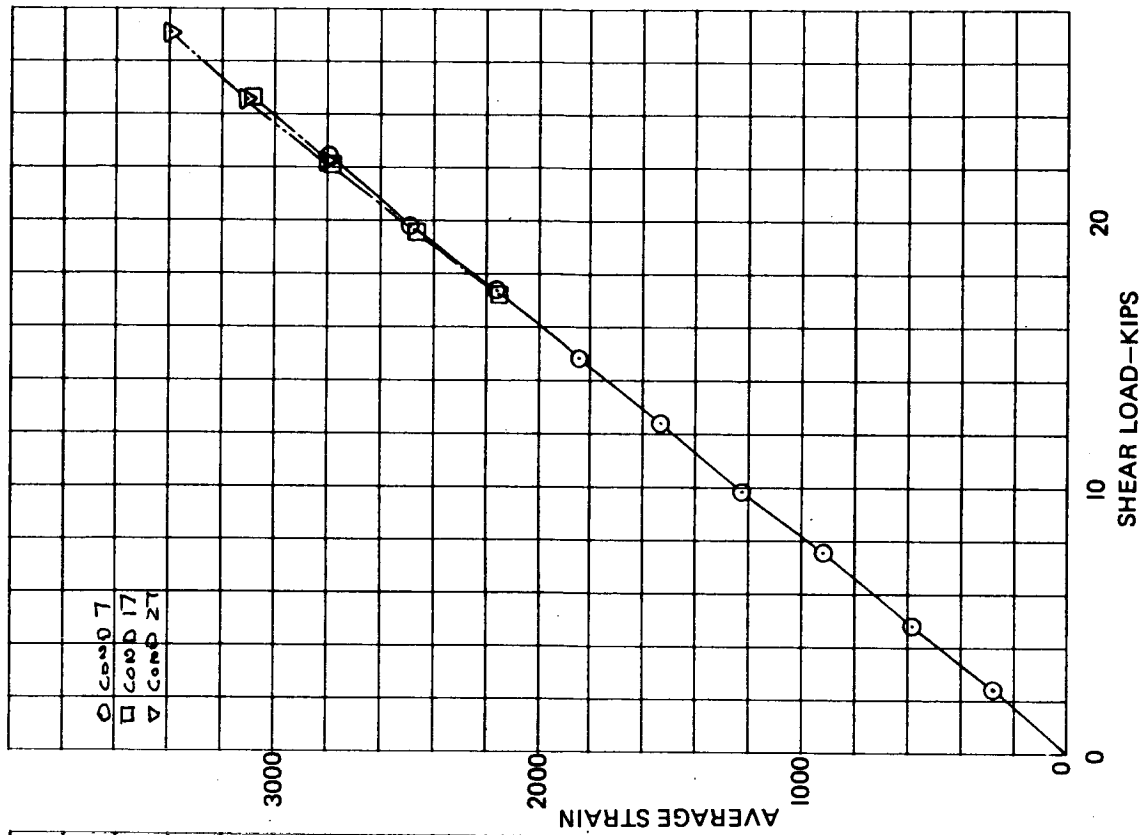


Figure A2-23: AVERAGE STRAIN VS. SHEAR LOAD—
PANEL 2-2-P-2—CONDITION 7

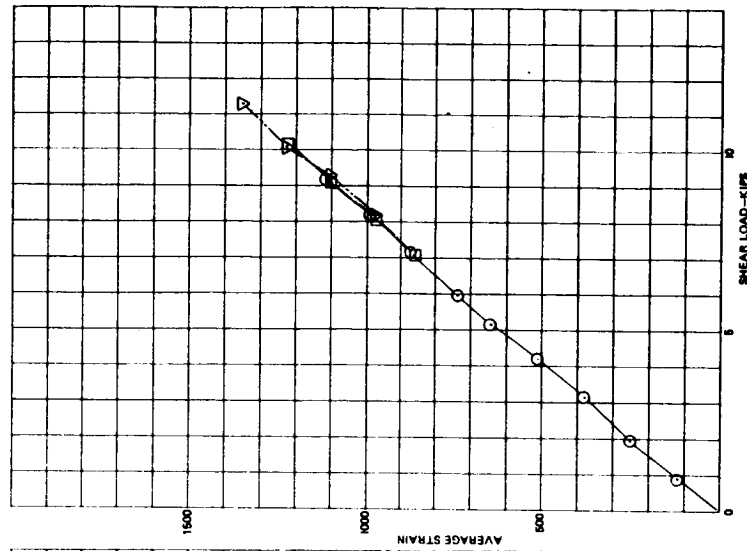


Figure A2-24: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2-2-P-2-CONDITION 8

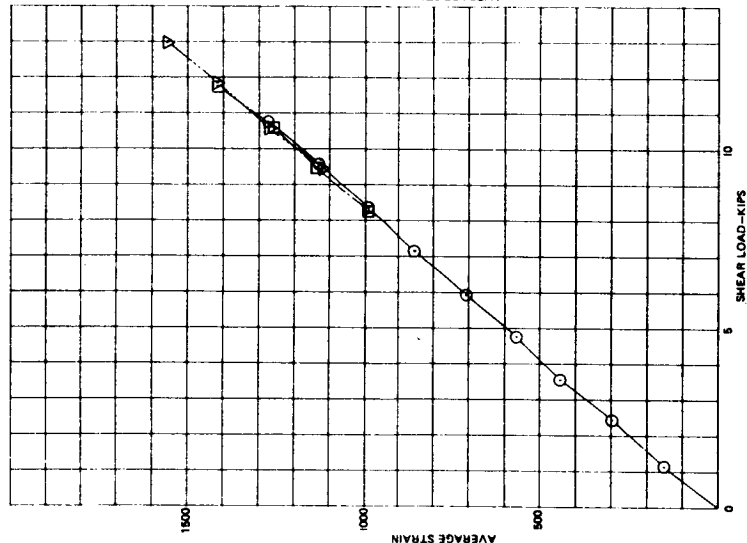


Figure A2-25: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2-2-P-2-CONDITION 9

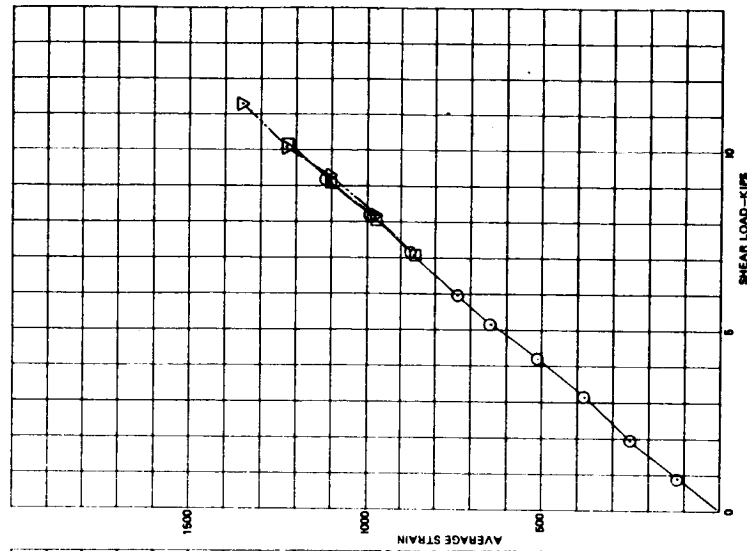


Figure A2-26: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2-2-P-2-CONDITION 10

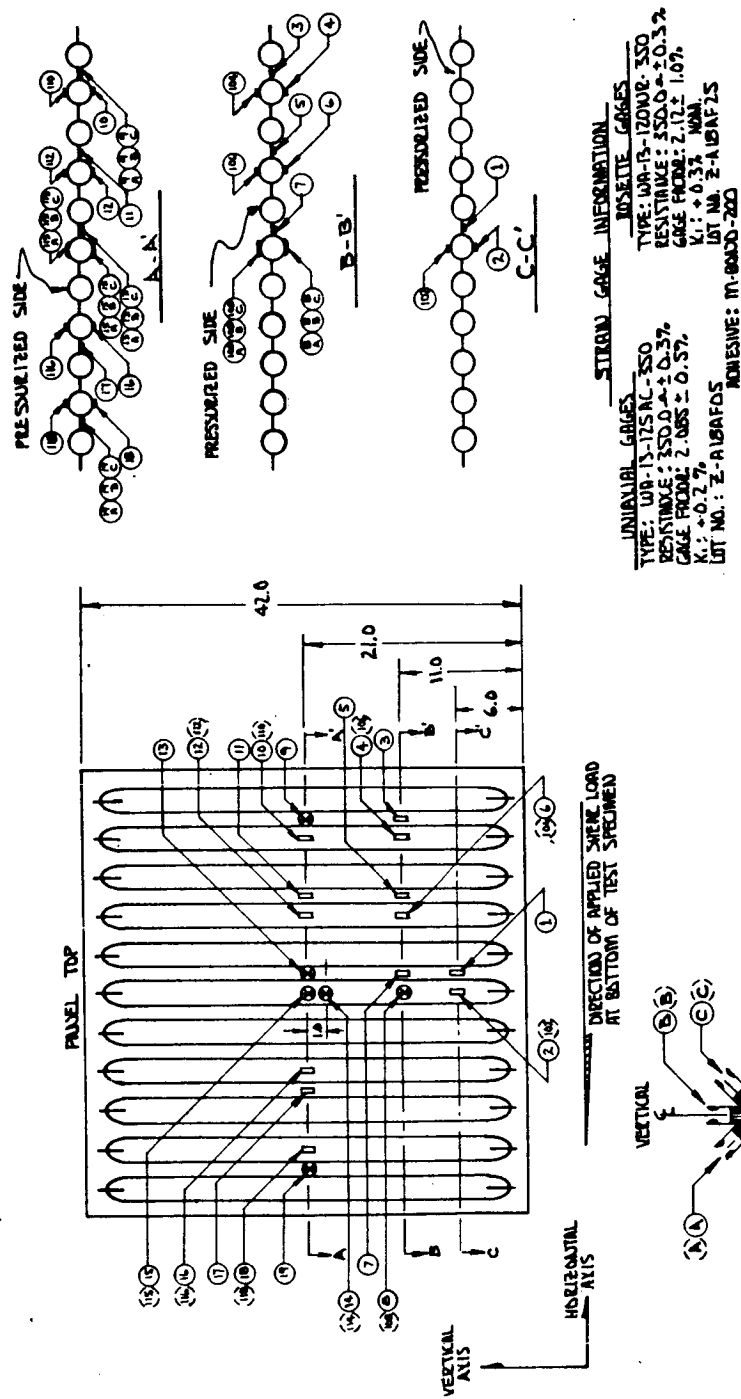


Figure A2-27: STRAIN GAGE INSTALLATION-PANEL NO. 2-2-P-3

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR6 UF X .1	SR106 UF X .1	SR7 UF X .1	SR10 UF X .1	SR110 UF X .1	SR11 UF X .1	
10/15/17/03	RR +0.0000	+76.014	-72.202	+2.8202	+7.175	-83.283	+4.8341	
10/15/21/01	RR +10.000	+57.776	-100.30	-21.317	+70.546	-100.87	-19.528	
10/15/24/01	RR +20.000	+17.513	-126.78	-45.681	+51.002	-133.45	-40.509	
10/15/27/42	RR +30.000	+16.234	-150.37	-75.120	+31.242	-164.85	-68.009	
10/15/32/35	RR +40.000	-1.0781	-191.07	-99.991	+12.597	-194.16	-92.635	
10/15/34/51	RR +50.000	-21.702	-223.54	-125.80	-4.0195	-224.96	-117.47	
10/15/38/00	RR +60.000	-40.843	-260.21	-154.30	-22.809	-258.88	-143.71	
10/15/41/14	RR +70.000	-55.844	-292.80	-178.66	-36.678	-288.48	-167.74	
10/15/43/37	RR +75.000	-62.054	-310.12	-189.83	-44.717	-308.04	-178.76	
10/15/49/27	RR +80.000	-69.613	-330.49	-228.40	-52.756	-328.11	-192.28	
10/15/53/29	RR +85.000	-74.478	-345.77	-213.68	-67.788	-340.15	-201.79	
10/15/58/09	RR +90.000	-78.808	-365.63	-225.36	-62.302	-358.72	-212.81	
10/16/00/58	RR +95.000	-82.747	-388.51	-238.04	-68.834	-370.29	-225.83	
10/16/03/29	RR +100.00	-83.782	-408.37	-247.60	-72.351	-398.85	-238.84	
10/16/05/14	RR +0.0000	+78.040	-69.745	+3.8439	+89.191	-81.276	+4.8341	
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR12 UF X .1	SR112 UF X .1	SR16 UF X .1	SR116 UF X .1	SR17 UF X .1	SR18 UF X .1	SR118 UF X .1
10/15/17/03	RR +0.0000	+104.74	-99.813	+104.00	-100.99	+4.8439	+86.271	-81.441
10/15/21/01	RR +10.000	+86.813	-128.41	+83.810	-131.13	-18.973	+83.949	-111.234
10/15/24/01	RR +20.000	+47.859	-156.80	+64.625	-163.79	-42.073	+45.178	-141.76
10/15/27/42	RR +30.000	+46.911	-191.12	+44.934	-198.46	-58.473	+74.885	-179.10
10/15/32/35	RR +40.000	+28.955	-226.24	+28.778	-234.64	-93.973	+62.290	-204.10
10/15/34/51	RR +50.000	+14.498	-261.36	+14.136	-271.82	-114.97	-9.9708	-236.18
10/15/38/00	RR +60.000	-1.98437	-300.49	-1.0097	-310.00	-140.97	-26.239	-267.86
10/15/41/14	RR +70.000	-13.107	-337.42	-11.530	-350.28	-164.47	-41.808	-309.64
10/15/43/37	RR +75.000	-16.643	-357.49	-15.553	-368.28	-173.97	-47.445	-318.96
10/15/49/27	RR +80.000	-22.199	-381.27	-19.664	-390.39	-185.97	-53.516	-333.98
10/15/53/29	RR +85.000	-24.228	-399.33	-21.071	-412.98	-195.97	-58.567	-353.60
10/15/58/09	RR +90.000	-24.228	-422.01	-21.071	-436.62	-206.97	-62.104	-373.88
10/16/00/58	RR +95.000	-26.248	-446.09	-23.078	-458.72	-217.97	-68.165	-389.86
10/16/03/29	RR +100.00	-22.199	-473.88	-17.058	-487.36	-228.97	-68.165	-412.73
10/16/05/14	RR +0.0000	+104.76	-96.302	+104.00	-97.473	+5.8483	+86.271	-79.378
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR15B UF X .1	SG115B UF X .1	R1 KIPS/UF	SG15A UF X .1	SG115A UF X .1	R2 KIPS/UF	
10/15/17/02	RR +0.0000	+49.658	-49.926	-1.8696	+12.892	-13.690	+7.0224	
10/15/17/09	T +0.0000	+0.0929	+0.0978	-288.00	+0.0288	+0.0000	+203.38	
10/15/21/04	RR +10.000	-19.833	-30.924	+154.89	+3.779	-18.619	+354.06	
10/15/23/57	RR +20.000	-16.717	-68.880	+153.76	-30.385	-17.729	+508.44	
10/15/27/40	RR +30.000	-55.587	-96.329	+148.22	-43.079	-58.798	+562.19	
10/15/32/34	RR +40.000	-72.471	-132.27	+125.74	-56.779	-79.378	+531.06	
10/15/34/53	RR +50.000	-85.382	-168.72	+110.77	-69.445	-100.44	+297.79	
10/15/37/54	RR +60.000	-98.790	-207.46	+103.14	-82.655	-122.49	+281.85	
10/15/41/13	RR +70.000	-106.91	-246.40	+93.325	-94.397	-145.52	+254.07	
10/15/43/33	RR +75.000	-110.87	-266.67	+88.616	-99.779	-155.81	+246.22	
10/15/49/28	RR +80.000	-112.85	-288.54	+84.490	-106.14	-170.51	+238.58	
10/15/53/29	RR +85.000	-114.34	-319.61	+79.547	-110.74	-182.27	+217.54	
10/15/58/06	RR +90.000	-110.87	-334.67	+74.468	-115.43	-194.48	+205.44	
10/16/00/55	RR +95.000	-112.85	-357.44	+71.579	-120.32	-200.71	+195.86	
10/16/03/27	RR +100.00	-105.99	-383.00	+66.230	-122.28	-224.90	+170.80	
10/16/05/12	RR +0.0000	+0.0929	+2.0248	+122.43	+0.0288	+0.0000	+297.83	
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR15C UF X .1	SG115C UF X .1	R3 KIPS/UF	FRI-1 INCHES X1000			
10/15/17/02	RR +0.0000	+15.998	-17.504	-5.5576	+134.67			
10/15/17/09	T +0.0000	+0.0929	+0.0000	+200.00	+137.06			
10/15/21/04	RR +10.000	+1.5263	-2.0039	+488.63	+141.43			
10/15/23/57	RR +20.000	+1.5205	-2.5068	+528.85	+149.81			
10/15/27/40	RR +30.000	+1.5185	-8.0146	+422.10	+162.50			
10/15/32/34	RR +40.000	+1.5126	-12.023	+366.18	+176.10			
10/15/34/53	RR +50.000	+12.504	-16.031	+323.52	+192.04			
10/15/37/54	RR +60.000	+14.508	-22.042	+307.29	+200.97			
10/15/41/13	RR +70.000	+20.489	-29.056	+263.12	+232.68			
10/15/43/33	RR +75.000	+23.483	-32.062	+248.40	+244.64			
10/15/49/28	RR +80.000	+1.5263	-36.070	+394.82	+256.98			
10/15/53/28	RR +85.000	+10.460	-40.078	+221.19	+274.12			
10/15/58/06	RR +90.000	+16.458	-46.089	+201.71	+294.04			
10/16/00/55	RR +95.000	+18.454	-52.101	+193.33	+300.98			
10/16/03/27	RR +100.00	+15.939	-60.117	+173.59	+338.67			
10/16/05/12	RR +0.0000	+1.52832	+2.0039	+165.75	+137.06			

Figure A2-28A: TABULATED TRANSDUCER DATA—
PANEL 2-2-P-3 – CONDITION 10
(100 PERCENT LOAD = 181 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC8A UF X .1	SG8R UF X .1	SG8C UF X .1	SG10AA UF X .1	SG10RR UF X .1	SG10RR UF X .1
10/15/16/37	GR +0.0000	+4.799	+75.742	+19.222	-16.378	-69.500	-18.944
10/15/21/03	GR +10.000	+1.0663	+57.927	+21.243	-30.282	-95.500	-17.448
10/15/23/38	GR +20.000	-0.3803	+39.816	+26.294	-46.045	-121.00	-14.946
10/15/27/38	GR +30.000	-22.744	+28.811	+29.324	-62.144	-151.00	-12.941
10/15/32/40	GR +40.000	-35.621	+2.9940	+32.860	-78.723	-180.00	-12.941
10/15/34/34	GR +50.000	-48.494	-11.945	+36.396	-94.567	-211.00	-11.944
10/15/37/55	GR +60.000	-69.387	-27.911	+40.437	-111.48	-241.00	-10.947
10/15/41/19	GR +70.000	-72.754	-38.915	+46.496	-128.23	-274.50	-10.449
10/15/43/39	GR +75.000	-78.201	-43.988	+49.024	-136.66	-291.50	-0.9707
10/15/49/31	GR +80.000	-89.944	-48.980	+32.355	-146.56	-381.00	-0.4721
10/15/53/36	GR +85.000	-88.994	-51.307	+32.354	-151.48	-324.90	-8.9746
10/15/58/12	GR +90.000	-86.025	-52.366	+54.127	-161.48	-345.80	-8.0746
10/16/01/00	GR +95.000	-101.96	-55.880	+62.663	-160.33	-361.00	-7.9745
10/16/03/26	GR +100.00	-106.42	-52.865	+67.209	-177.25	-381.00	-7.9745
10/16/05/09	GR +0.0000	+17.754	+77.257	+19.222	-13.368	-67.000	-17.947
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UF X .1	SG13B UF X .1	SG13C UF X .1	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1
10/15/16/37	GR +0.0000	+4.9402	+37.976	+4.9252	+29.794	+180.30	+13.119
10/15/21/03	GR +10.000	-0.1469	-18.319	+4.9252	+15.898	+83.922	+14.681
10/15/23/38	GR +20.000	-78.518	-41.549	+7.8637	-149.023	+65.548	+17.070
10/15/27/38	GR +30.000	-45.858	-67.811	+7.8637	-44.358	+46.182	+18.542
10/15/32/40	GR +40.000	-44.201	-93.082	+8.8432	-28.716	+29.794	+41.021
10/15/34/34	GR +50.000	-81.021	-117.14	+9.8227	-40.599	+16.883	+44.479
10/15/37/55	GR +60.000	-89.378	-143.18	+11.291	-54.462	+21.0794	+47.936
10/15/41/19	GR +70.000	-114.10	-164.16	+14.230	-66.345	-8.0340	+52.875
10/15/43/39	GR +75.000	-124.38	-174.75	+14.720	-71.792	-8.8813	+56.342
10/15/49/31	GR +80.000	-134.03	-190.12	+18.148	-79.218	-11.348	+60.777
10/15/53/36	GR +85.000	-147.78	-222.80	+19.617	-96.052	-11.348	+63.741
10/15/58/12	GR +90.000	-150.35	-208.63	+20.597	-86.138	-9.8681	+67.602
10/16/01/00	GR +95.000	-159.01	-220.82	+23.535	-93.082	-18.854	+72.641
10/16/03/26	GR +100.00	-166.66	-230.22	+26.474	-86.082	-3.4541	+79.041
10/16/05/09	GR +0.0000	+7.9648	+5.9549	+4.9252	+30.788	+187.29	+33.119
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG114A UF X .1	SG114B UF X .1	SG114C UF X .1	SG19A UF X .1	SG19B UF X .1	SG19C UF X .1
10/15/17/03	GR +0.0000	-30.774	-98.487	-29.225	-149.849	+2.5253	-2.9707
10/15/21/01	GR +10.000	-50.647	-128.45	-29.225	-16.770	-20.339	-1.98316
10/15/24/01	GR +20.000	-72.507	-158.81	-30.234	-32.583	-45.181	-1.98316
10/15/27/42	GR +30.000	-94.368	-194.00	-32.251	-47.407	-67.041	-1.98316
10/15/32/35	GR +40.000	-116.22	-229.19	-36.287	-62.231	-98.889	-1.98316
10/15/34/31	GR +50.000	-130.08	-266.19	-39.817	-78.044	-112.74	+0.0000
10/15/38/00	GR +60.000	-164.42	-384.49	-45.366	-93.856	-131.61	+4.4868
10/15/41/14	GR +70.000	-188.26	-344.11	-49.905	-109.66	-154.96	+6.99316
10/15/43/37	GR +75.000	-200.19	-362.00	-53.436	-116.89	-164.41	+1.9843
10/15/49/27	GR +80.000	-222.54	-387.83	-56.462	-124.49	-174.34	+2.9704
10/15/53/29	GR +85.000	-227.51	-408.15	-60.498	-132.39	-188.26	+2.9704
10/15/58/09	GR +90.000	-241.92	-432.28	-64.533	-139.81	-198.20	+4.4692
10/16/00/58	GR +95.000	-257.32	-454.19	-70.081	-148.21	-208.14	+4.4692
10/16/03/29	GR +100.00	-273.22	-481.44	-77.647	-156.11	-220.06	+4.4692
10/16/05/14	GR +0.0000	-30.774	-95.480	-27.208	-1.4526	+2.4253	-1.99316
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG2 UF X .1	SG102 UF X .1	SG3 UF X .1	SG4 UF X .1	SG104 UF X .1	SG5 UF X .1
10/15/17/03	GR +0.0000	+44.968	-40.534	+4.0671	+68.366	-44.670	+3.0358
10/15/21/01	GR +10.000	+32.841	-58.561	-19.888	+49.494	-47.712	-20.975
10/15/24/01	GR +20.000	+20.794	-75.085	-40.149	+31.135	-108.74	-43.975
10/15/27/42	GR +30.000	+8.1025	-95.615	-66.594	+8.1854	-136.05	-72.975
10/15/32/35	GR +40.000	-3.4966	-116.64	-89.987	-18.267	-164.14	-97.975
10/15/34/31	GR +50.000	-13.541	-138.67	-113.88	-28.794	-190.81	-124.42
10/15/38/00	GR +60.000	-24.002	-162.71	-141.45	-49.380	-228.56	-152.92
10/15/41/14	GR +70.000	-31.659	-184.74	-164.23	-66.878	-247.23	-177.42
10/15/43/37	GR +75.000	-34.644	-194.76	-174.44	-75.627	-261.59	-198.97
10/15/49/27	GR +80.000	-38.141	-223.80	-191.18	-98.787	-278.82	-227.92
10/15/53/29	GR +85.000	-48.170	-224.80	-200.85	-93.640	-298.72	-214.02
10/15/58/09	GR +90.000	-41.678	-239.32	-213.85	-107.84	-305.71	-225.92
10/16/00/58	GR +95.000	-42.683	-251.84	-226.27	-110.10	-322.12	-236.97
10/16/03/29	GR +100.00	-41.678	-268.86	-237.97	-114.29	-338.44	-250.92
10/16/05/14	GR +0.0000	+46.473	-38.531	+4.6064	+68.366	-41.040	+4.0494

Figure A2-28B: TABULATED TRANSDUCER DATA—
PANEL 2-2-P-3 — CONDITION 10 (Continued)

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	LPC-1 KIPS	LPC-2 KIPS	LPS KIPS	LOP KIPS	END-1 INCHES	END-3 INCHES
10/15/16/57	GR +0.0000	-1.4453	-0.93046	-0.00521	+200.70	+130.38	-167.45
10/15/21/03	GR +10.000	+0.0690	+0.5808	+1.1069	+200.70	+130.80	-278.44
10/15/23/58	GR +20.000	+17.064	+17.625	+2.7084	+190.56	+140.22	-331.49
10/15/27/38	GR +30.000	+26.558	+27.613	+4.1098	+190.56	+160.21	-174.49
10/15/32/40	GR +40.000	+26.507	+26.649	+5.5112	+190.56	+171.56	-411.38
10/15/34/54	GR +50.000	+44.093	+46.141	+7.0126	+200.70	+191.62	-456.28
10/15/37/55	GR +60.000	+53.575	+54.246	+8.5141	+198.93	+200.80	-495.08
10/15/41/19	GR +70.000	+63.058	+63.747	+9.8154	+190.56	+090.31	-542.08
10/15/43/39	GR +75.000	+66.851	+68.078	+10.516	+190.56	+241.87	-569.48
10/15/49/31	GR +80.000	+73.962	+72.703	+11.116	+190.65	+190.47	-560.83
10/15/53/36	GR +85.000	+76.333	+77.074	+12.117	+190.56	+271.71	-418.28
10/15/58/12	GR +90.000	+81.548	+81.810	+12.918	+200.70	+288.20	-638.73
10/16/01/00	GR +95.000	+86.744	+86.110	+13.510	+197.66	+304.86	-651.03
10/16/03/26	GR +100.00	+91.031	+90.300	+14.310	+190.56	+332.05	-678.08
10/16/05/09	GR +0.0000	+0.0000	+0.0000	-0.00521	+198.93	+135.87	-163.99
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	RA KIPS/UE	R7 KIPS/UE	
10/15/16/57	GR +0.0000	+27.004	+100.14	+31.857	+14.130	-11.028	
10/15/21/03	GR +10.000	+3.816	+3.706	+33.349	-120.31	+91.357	
10/15/23/58	GR +20.000	-1.95005	+64.458	+35.835	-331.06	+234.60	
10/15/27/38	GR +30.000	-15.682	+46.610	+37.328	-753.59	+434.21	
10/15/32/40	GR +40.000	-20.429	+29.745	+40.312	-1929.8	+626.30	
10/15/34/54	GR +50.000	-42.194	+16.879	+43.792	+401.86	+717.45	
10/15/37/55	GR +60.000	-55.450	+3.0029	+47.274	-299.51	+748.79	
10/15/41/19	GR +70.000	-67.233	-57.4169	+52.247	-1974.8	+756.13	
10/15/43/39	GR +75.000	-72.034	-8.8828	+55.231	+1773.8	+740.09	
10/15/49/31	GR +80.000	-78.525	-11.358	+32.354	-1653.1	+933.69	
10/15/53/36	GR +85.000	-93.435	-11.853	+63.188	+1402.7	+741.46	
10/15/58/12	GR +90.000	-98.345	-10.863	+67.664	+1311.0	+743.61	
10/16/01/00	GR +95.000	-92.272	-11.358	+71.642	+1224.8	+748.92	
10/16/03/26	GR +100.00	-95.218	-31.0316	+77.610	+1221.6	+749.17	
10/16/05/09	GR +0.0000	+27.004	+102.12	+32.354	-17333	+13338	
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG115A UF X .1	SG115H UF X .1	SG115C UF X .1	RA KIPS/UE		
10/15/16/57	GR +0.0000	-26.430	-97.214	-31.196	-14.761		
10/15/21/03	GR +10.000	-46.020	-128.12	-33.211	+78.452		
10/15/23/58	GR +20.000	-74.150	-159.03	-34.218	+131.92		
10/15/27/38	GR +30.000	-86.200	-193.43	-39.255	+167.15		
10/15/32/40	GR +40.000	-105.80	-220.12	-43.284	+188.51		
10/15/34/54	GR +50.000	-126.87	-265.71	-47.817	+197.00		
10/15/37/55	GR +60.000	-148.92	-304.40	-53.357	+207.81		
10/15/41/19	GR +70.000	-171.98	-344.48	-59.401	+206.75		
10/15/43/39	GR +75.000	-187.22	-362.03	-63.431	+206.86		
10/15/49/31	GR +80.000	-196.94	-386.86	-67.964	+208.65		
10/15/53/36	GR +85.000	-208.70	-407.10	-71.480	+204.82		
10/15/58/12	GR +90.000	-222.42	-431.23	-76.526	+203.59		
10/16/01/00	GR +95.000	-235.14	-454.16	-82.570	+207.85		
10/16/03/26	GR +100.00	-251.31	-481.08	-91.636	+190.99		
10/16/05/09	GR +0.0000	-26.430	-94.223	-29.182	+14750		
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG115A UF X .1	SG115H UF X .1	SG115C UF X .1	RA KIPS/UE	SG94 UF X .1	SG98 UF X .1
10/15/16/57	GR +0.0000	-26.430	-97.214	-31.196	-31.350	+1.0931	+52107
10/15/21/03	GR +10.000	-46.020	-128.12	-33.211	+60.209	-11.427	-19.243
10/15/23/58	GR +20.000	-74.150	-159.03	-34.218	+100.69	-29.338	-37.032
10/15/27/38	GR +30.000	-86.200	-193.43	-39.255	+128.61	-48.243	-61.749
10/15/32/40	GR +40.000	-105.80	-220.12	-43.284	+144.05	-56.141	-82.987
10/15/34/54	GR +50.000	-126.87	-265.71	-47.817	+155.06	-70.053	-109.02
10/15/37/55	GR +60.000	-148.92	-304.40	-53.357	+161.26	-85.951	-129.03
10/15/41/19	GR +70.000	-171.98	-344.48	-59.401	+167.43	-99.862	-149.69
10/15/43/39	GR +75.000	-187.22	-362.03	-63.431	+168.96	-107.81	-162.54
10/15/49/31	GR +80.000	-196.94	-386.86	-67.964	+172.38	-114.74	-175.88
10/15/53/36	GR +85.000	-208.70	-407.10	-71.480	+171.87	-124.70	-184.78
10/15/58/12	GR +90.000	-222.42	-431.23	-76.526	+172.04	-132.65	-195.15
10/16/01/00	GR +95.000	-235.14	-454.16	-82.570	+172.90	-140.60	-208.09
10/16/03/26	GR +100.00	-251.31	-481.08	-91.636	+171.19	-140.04	-219.86
10/16/05/09	GR +0.0000	-26.430	-94.223	-29.182	+14453	+2.4912	+1.9102

Figure A2-28C: TABULATED TRANSDUCER DATA-
PANEL 2-2-P-3 - CONDITION 10 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG2 UF X .1	SG102 UF X .1	SG3 UF X .1	SG4 UF X .1	SG104 UF X .1	SG5 UF X .1
12/12/30/24	GR +0.0000	+10.606	+15.095	+8.1888	+20.08A	+10.771	+21.402
12/12/40/48	GR +50.000	+22.196	+20.629	-9.2287	-9.4513	-1.0449	+19.173
12/12/52/48	GR +60.000	+25.249	+23.146	-11.275	-16.271	-4.8849	+19.672
12/12/55/06	GR +70.000	+29.754	+25.158	-12.816	-20.855	-7.1640	+20.181
12/12/57/35	GR +80.000	+32.274	+28.177	-13.338	-26.966	-9.2287	+21.188
12/13/00/50	GR +90.000	+36.321	+31.196	-15.384	-33.078	-11.789	+21.888
12/13/04/17	GR +100.00	+44.472	+39.272	-19.384	-48.680	-15.384	+24.212
12/13/07/15	GR +110.00	+52.440	+42.28A	-17.953	-45.300	-18.446	+24.716
12/13/10/44	GR +120.00	+65.516	+50.317	-18.466	-52.430	-24.117	+27.235
12/13/12/50	GR +124.00	+70.571	+56.458	-17.653	-58.542	-28.740	+38.763
12/13/15/59 EOF	GR +0.0000	*****	+4.0253	+32.665	-59.580	*****	+34.298

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG6 UF X .1	SG106 UF X .1	SG7 UF X .1	SG10 UF X .1	SG110 UF X .1	SG11 UF X .1
12/12/30/24	GR +0.0000	+22.498	+23.871	+26.546	+24.177	+28.123	+26.229
12/12/40/48	GR +50.000	+41.1113	+6.1573	+25.016	+14.114	+34.149	+23.280
12/12/52/48	GR +60.000	+4.0253	+3.5888	+25.016	+12.484	+37.162	+22.745
12/12/55/06	GR +70.000	-4.0629	+0.0000	+25.016	+13.187	+39.171	+22.745
12/12/57/35	GR +80.000	-7.6391	-27.040	+26.036	+11.598	+41.180	+22.745
12/13/00/50	GR +90.000	-11.727	-51.1075	+25.526	+12.884	+44.193	+21.745
12/13/04/17	GR +100.00	-16.834	-8.4743	+28.586	+13.187	+47.286	+22.745
12/13/07/15	GR +110.00	-23.990	-13.246	+28.586	+15.624	+51.224	+24.221
12/13/10/44	GR +120.00	-33.699	-19.809	+30.626	+19.146	+55.241	+19.211
12/13/12/50	GR +124.00	-39.831	-25.512	+33.686	+21.158	+58.254	+18.786
12/13/15/59 EOF	GR +0.0000	*****	*****	+1.8458	-58.646	-101.70	+47.484

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12 UF X .1	SG112 UF X .1	SG16 UF X .1	SG116 UF X .1	SG17 UF X .1	SG18 UF X .1	SG118 UF X .1
12/12/30/24	GR +0.0000	+26.165	+31.810	+35.368	+36.281	+37.188	+37.747	+34.591
12/12/40/48	GR +50.000	+21.636	+32.040	+39.407	+35.073	+41.120	+44.087	+34.591
12/12/52/48	GR +60.000	+20.124	+34.089	+39.912	+35.777	+42.624	+45.167	+35.681
12/12/55/06	GR +70.000	+19.621	+39.588	+40.921	+36.785	+43.697	+46.248	+37.681
12/12/57/35	GR +80.000	+19.128	+36.988	+42.436	+37.289	+44.128	+48.368	+38.681
12/13/00/50	GR +90.000	+18.617	+38.586	+42.436	+38.880	+45.131	+47.988	+39.674
12/13/04/17	GR +100.00	+18.617	+41.085	+42.941	+41.824	+46.134	+48.008	+41.781
12/13/07/15	GR +110.00	+18.114	+45.083	+42.436	+44.847	+47.137	+48.218	+43.269
12/13/10/44	GR +120.00	+18.617	+50.081	+41.426	+49.382	+47.137	+49.888	+51.873
12/13/12/50	GR +124.00	+19.128	+52.080	+39.912	+54.421	+46.134	+52.812	+55.938
12/13/15/59 EOF	GR +0.0000	-76.000	*****	-55.853	-139.80	+11.032	-75.989	*****

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15H UF X .1	SG115H UF X .1	R1 KIPS/UF	SG15A UF X .1	SG115A UF X .1	R2 KIPS/ME
12/12/32/58	T +0.0000	+0.0000	+0.0000	+2047.9	+8.2888	+0.0000	+28.338
12/12/39/19	GR +0.0000	+0.0000	+4.4884	+41.764	-1.9565	-1.4775	+39.887
12/12/40/53	GR +50.000	+1.9863	-37.882	+246.94	-82.289	-89.668	+181.21
12/12/52/49	GR +60.000	+2.9794	-27.987	+271.75	-180.41	-188.28	+206.15
12/12/55/01	GR +70.000	+3.9726	-27.4916	+295.84	-117.56	-128.41	+216.12
12/12/57/36	GR +80.000	+4.9654	-17.9431	+318.77	-137.79	-142.80	+231.49
12/13/00/51	GR +90.000	+5.9589	-1.4951	+326.39	-147.45	-157.28	+249.53
12/13/04/18	GR +100.00	+6.9584	-17.4951	+261.00	-161.62	-174.43	+251.85
12/13/07/09	GR +110.00	+11.421	+17.4926	+298.53	-176.89	-188.15	+269.29
12/13/10/46	GR +120.00	+14.400	+5.9794	+387.55	-188.61	-190.42	+301.86
12/13/12/51	GR +124.00	+17.380	+18.443	+487.80	-194.49	-201.83	+361.29
12/13/16/00 EOF	GR +0.0000	+31.781	-12.487	+691.89	-36.728	-82.318	+671.88

Figure A2-29 A: TABULATED TRANSDUCER DATA—
PANEL 2-2-P-3 — CONDITION 12
(100 PERCENT LOAD = 27.0 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC115A UF X .1	SC115D UF X .1	SC115C UF X .1	RA KIPS/UE X .1	SG9A UF X .1	SG9R UF X .1	SG9C UF X .1
12/12/39/22	NR +0.0000	+11.276	+33.913	+13.074	+1.4653	+19.422	+12.440	-7.2243
12/12/40/46	NR +50.000	-78.694	+29.997	+96.357	+52.818	-92.130	+4.5044	+58.422
12/12/52/46	NR +60.000	-68.004	+29.997	+114.41	+53.499	-68.534	+4.0043	+73.260
12/12/55/84	NR +70.000	-14.84	+38.993	+131.97	+53.990	-83.438	+1.9105	+87.620
12/12/57/37	NR +80.000	-31.67	+30.993	+144.03	+54.366	-98.343	+1.5105	+100.98
12/13/00/52	NR +90.000	-147.54	+31.990	+165.50	+54.462	-112.95	-1.96679	+114.83
12/13/04/19	NR +100.00	-163.85	+32.916	+183.65	+54.837	-128.15	-2.4589	+128.60
12/13/07/17	NR +110.00	-177.71	+34.411	+202.72	+55.149	-143.05	-3.4262	+142.55
12/13/10/42	NR +120.00	-189.16	+39.803	+229.20	+55.161	-157.94	-5.8935	+156.40
12/13/12/52	NR +124.00	-193.56	+42.842	+237.83	+54.749	-167.40	-7.8671	+164.82
12/13/16/01	NR +0.0000	-70.277	+20.948	-60.470	+4.3697	-49.158	-16.244	-30.278
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC8A UF X .1	SC8H UF X .1	SC8C UF X .1	SC108A UF X .1	SC108R UF X .1	SC108C UF X .1	
12/12/39/22	NR +0.0000	+8.3813	+19.002	+4.0410	+3.9863	+24.100	+3.8483	
12/12/40/46	NR +50.000	-96.123	+10.542	+79.799	-96.330	+17.085	+77.544	
12/12/52/46	NR +60.000	-187.41	+97.5505	+92.843	-119.86	+18.089	+01.649	
12/12/55/84	NR +70.000	-128.78	+71.0512	+105.38	-140.88	+16.082	+104.73	
12/12/57/37	NR +80.000	-149.99	+6.0478	+115.92	-162.94	+16.082	+116.82	
12/13/00/52	NR +90.000	-172.74	+27.536	+126.96	-184.97	+14.675	+128.49	
12/13/04/19	NR +100.00	-199.01	+82.714	+135.99	-210.97	+11.065	+136.05	
12/13/07/17	NR +110.00	-227.79	-3.9284	+141.50	-230.13	+7.5532	+149.81	
12/13/10/42	NR +120.00	-260.48	-10.898	+143.91	-270.26	+3.5395	+150.84	
12/13/12/52	NR +124.00	-281.59	-15.742	+142.01	-280.04	+8.2734	+158.44	
12/13/16/01	NR +0.0000	*****	*****	*****	-83.482	+14.577	-112.30	
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC13A UF X .1	SC13H UF X .1	SC13C UF X .1	SC14A UF X .1	SC14H UF X .1	SC14C UF X .1	
12/12/39/22	NR +0.0000	+14.143	+29.398	+7.9462	+10.869	+29.761	+7.4247	
12/12/40/46	NR +50.000	-73.392	+29.807	+45.538	-71.698	+28.730	+07.181	
12/12/52/46	NR +60.000	-114.488	+31.102	+112.36	-49.439	+30.710	+115.42	
12/12/55/84	NR +70.000	-109.08	+30.804	+129.68	-105.94	+30.710	+133.18	
12/12/57/37	NR +80.000	-125.67	+32.887	+145.92	-122.85	+32.689	+148.06	
12/13/00/52	NR +90.000	-141.79	+31.800	+169.34	-137.86	+33.879	+166.22	
12/13/04/19	NR +100.00	-159.39	+32.887	+179.17	-153.67	+36.648	+184.06	
12/13/07/17	NR +110.00	-176.44	+33.385	+199.99	-168.09	+48.113	+203.81	
12/13/10/42	NR +120.00	-193.03	+33.883	+211.83	-181.34	+43.577	+223.43	
12/13/12/52	NR +124.00	-202.07	+32.887	+220.24	-187.77	+44.566	+234.77	
12/13/16/01	NR +0.0000	-70.161	+31.800	+25.266	-25.201	+57.028	-1.95880	
EOF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC114A UF X .1	SC114D UF X .1	SC114C UF X .1	SC19A UF X .1	SC19B UF X .1	SC19C UF X .1	
12/12/39/24	NR +0.0000	+11.468	+33.443	+11.568	-5.9596	+16.968	+24.793	
12/12/40/48	NR +50.000	-78.884	+38.159	+90.357	-82.727	+21.458	+109.06	
12/12/52/48	NR +60.000	-97.854	+39.644	+115.42	-95.181	+21.957	+119.78	
12/12/55/86	NR +70.000	-114.94	+41.670	+132.48	-113.13	+22.456	+139.42	
12/12/57/35	NR +80.000	-130.88	+42.674	+149.53	-126.99	+22.456	+150.47	
12/13/00/50	NR +90.000	-147.78	+45.183	+167.60	-141.89	+23.454	+169.81	
12/13/04/17	NR +100.00	-163.24	+47.601	+185.15	-153.91	+22.955	+180.16	
12/13/07/15	NR +110.00	-179.73	+50.781	+204.72	-168.47	+22.456	+194.82	
12/13/10/44	NR +120.00	-189.79	+55.792	+227.30	-181.43	+20.499	+208.47	
12/13/12/50	NR +124.00	-195.21	+68.745	+239.34	-167.47	+9.9882	+202.83	
12/13/15/59	NR +0.0000	*****	*****	-60.087	+39.619	+28.943	-52.947	
EOF								

Figure A2-29B : TABULATED TRANSDUCER DATA—
PANEL 2-2-P-3 — CONDITION 12 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC-1 KIPS	LPC-2 KIPS	LPS KIPS	IPP PSIG X100
12/12/39/22	RR +0.0000	+0.02978	+0.0000	+1.18693	-1.9818
12/12/40/46	RR +50.000	+1.0114	-1.47908	+13.386	+6.5525
12/12/52/46	RR +60.000	+0.98046	-1.47908	+16.282	+0.0000
12/12/55/04	RR +70.000	+0.98044	-1.47908	+18.978	+6.5525
12/12/57/37	RR +80.000	+0.02978	+0.0000	+21.674	+0.0000
12/13/00/52	RR +90.000	+0.98046	-1.47908	+24.170	+6.5525
12/13/04/19	RR +100.00	+0.98046	-1.47908	+26.966	+0.0000
12/13/07/17	RR +110.00	+0.98046	-1.47908	+29.662	+6.5525
12/13/10/42	RR +120.00	+0.98046	-1.47908	+32.358	-1.9818
12/13/12/52	RR +124.00	+0.98046	-1.47908	+35.457	-1.2789
12/13/16/01	RR +0.0000	+0.02978	-2.3909	+2.0556	+0.0000
EOF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UE X .1	SG15H UE X .1	SG15C UE X .1	R9 KIPS/UE	R5 KIPS/UE	R4 KIPS/UE
12/12/39/22	RR +0.0000	+0.3989	+26.206	+6.4721	-2.5439	-2.4569	-1.9047
12/12/40/46	RR +50.000	-72.480	+28.278	+94.194	+288.73	+164.54	+137.94
12/12/52/46	RR +60.000	-70.129	+23.270	+113.02	+140.79	+93.725	+80.622
12/12/55/04	RR +70.000	-106.78	+30.241	+129.87	+110.78	+65.543	+57.417
12/12/57/37	RR +80.000	-122.46	+30.786	+146.72	+91.814	+49.830	+43.816
12/13/00/52	RR +90.000	-138.14	+12.243	+163.97	+78.782	+39.375	+35.198
12/13/04/19	RR +100.00	-152.84	+15.217	+189.41	+69.837	+32.254	+28.882
12/13/07/17	RR +110.00	-166.54	+17.109	+209.23	+62.325	+28.862	+24.434
12/13/10/42	RR +120.00	-178.39	+11.144	+223.05	+56.932	+22.999	+20.930
12/13/12/52	RR +124.00	-194.28	+42.651	+235.44	+53.528	+20.976	+19.391
12/13/16/01	RR +0.0000	-25.450	+58.015	-4.3964	-2.2573	-2.1494	-5.9831
EOF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG115A UE X .1	SG115H UE X .1	SG115C UE X .1	R10 KIPS/UE	R7 KIPS/UE
12/12/39/22	RR +0.0000	+11.276	+33.913	+13.074	-1.9711	+1.8857
12/12/40/46	RR +50.000	-78.694	+29.997	+96.357	+184.80	+55.497
12/12/52/46	RR +60.000	-78.003	+29.997	+114.41	+125.48	+55.882
12/12/55/04	RR +70.000	-114.83	+30.993	+131.97	+99.786	+56.191
12/12/57/37	RR +80.000	-131.67	+30.993	+149.03	+83.130	+56.631
12/13/00/52	RR +90.000	-147.51	+31.990	+169.59	+72.177	+56.450
12/13/04/19	RR +100.00	-163.89	+32.916	+183.65	+63.788	+56.786
12/13/07/17	RR +110.00	-177.71	+34.411	+202.72	+57.630	+56.758
12/13/10/42	RR +120.00	-189.10	+39.803	+229.79	+52.854	+56.869
12/13/12/52	RR +124.00	-193.56	+42.882	+237.83	+50.383	+56.292
12/13/16/01	RR +0.0000	-70.277	+20.998	-60.470	-6.2086	+1.6638
EOF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	ED1-1 INCHES X1000	ED1-3 INCHES X1000	R3 KIPS/UE	R4 KIPS/INCH X1000
12/12/39/24	RR +0.0000	+0.05712	+0.0000	+19.354	+1.8341
12/12/40/48	RR +50.000	+0.05712	-642.04	+79.046	+36.724
12/12/52/48	RR +60.000	+0.05712	-727.38	+391.33	+35.683
12/12/55/06	RR +70.000	+0.05712	-822.43	+381.81	+36.809
12/12/57/35	RR +80.000	+0.05712	-907.77	+548.98	-719.53
12/13/00/50	RR +90.000	+0.05712	-995.06	+563.43	-277.72
12/13/04/17	RR +100.00	+0.05712	-1132.7	+668.54	+190.43
12/13/07/15	RR +110.00	+0.05712	-1293.7	+554.39	+711.93
12/13/10/44	RR +120.00	+0.05712	-1472.2	+638.36	+154.11
12/13/12/50	RR +124.00	+0.05712	-1593.6	+661.47	+320.75
12/13/15/59	RR +0.0000	+1.9242	-785.57	+889.16	+1840.6
EOF					

Figure A2-29C: TABULATED TRANSDUCER DATA-
PANEL 2-2-P-3 - CONDITION 12 (Continued)

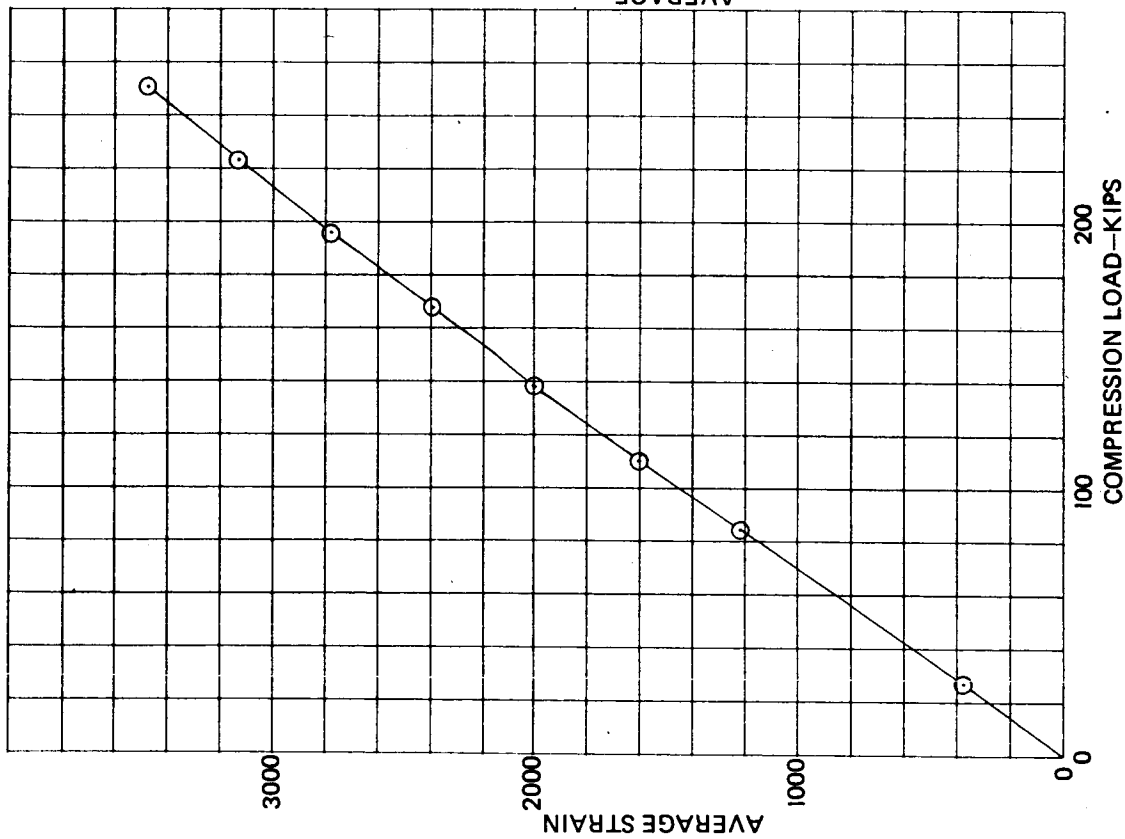


Figure A2-30: AVERAGE STRAIN VS COMPRESSION LOAD -
PANEL 2-2-P-3 - CONDITION 1

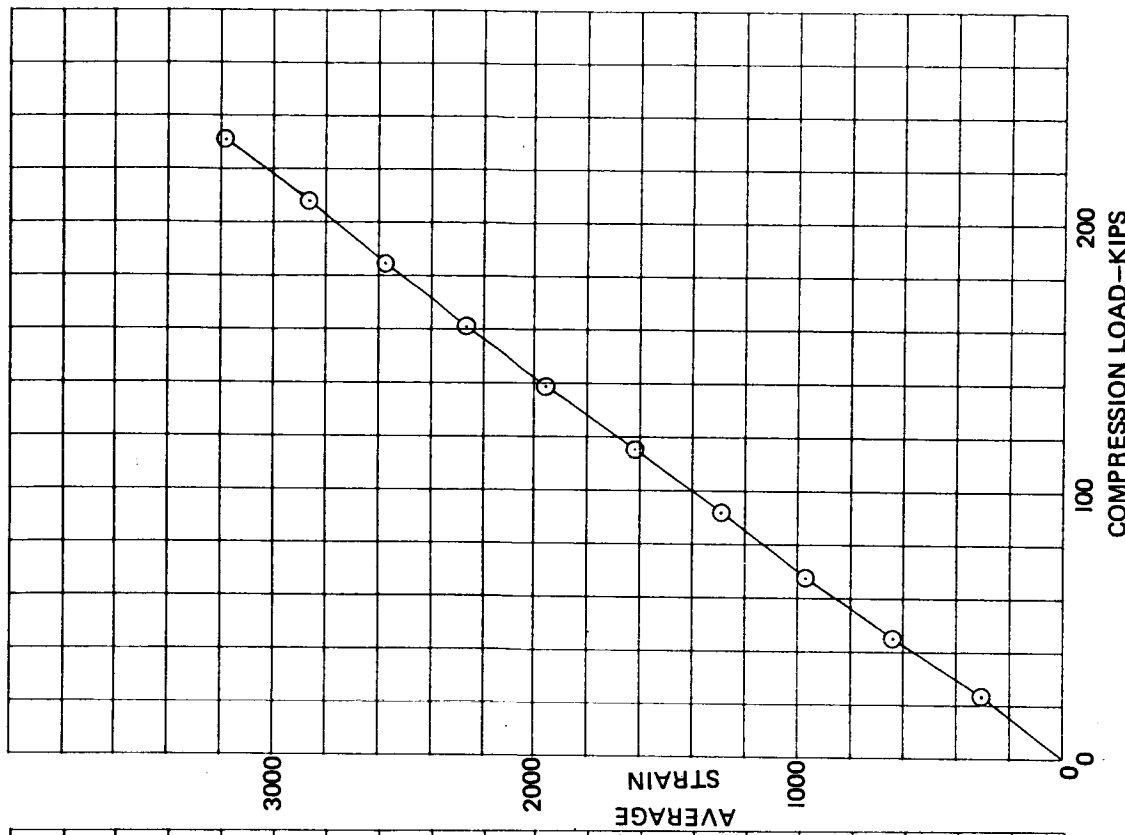


Figure A2-31: AVERAGE STRAIN VS COMPRESSION LOAD -
PANEL 2-2-P-3 - CONDITION 13

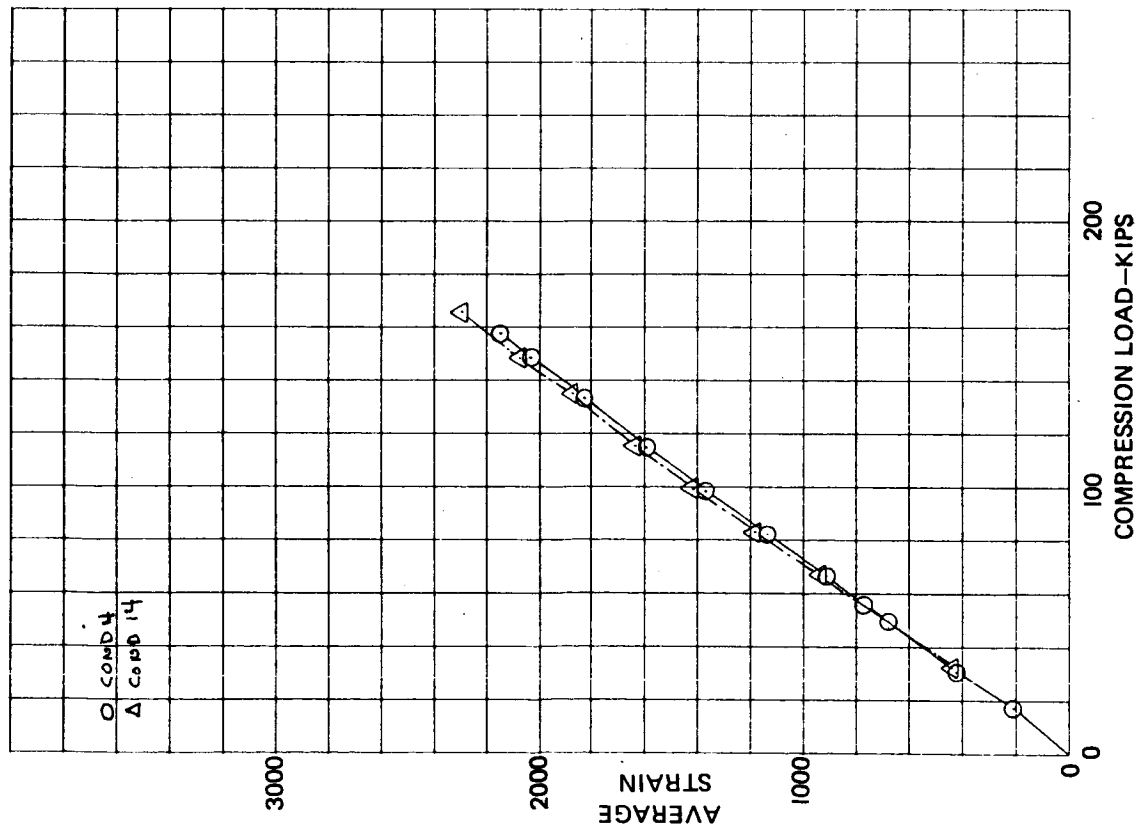


Figure A2-32: AVERAGE STRAIN VS COMPRESSION LOAD-
PANEL 2-2-P.3 - CONDITION 4 AND 14

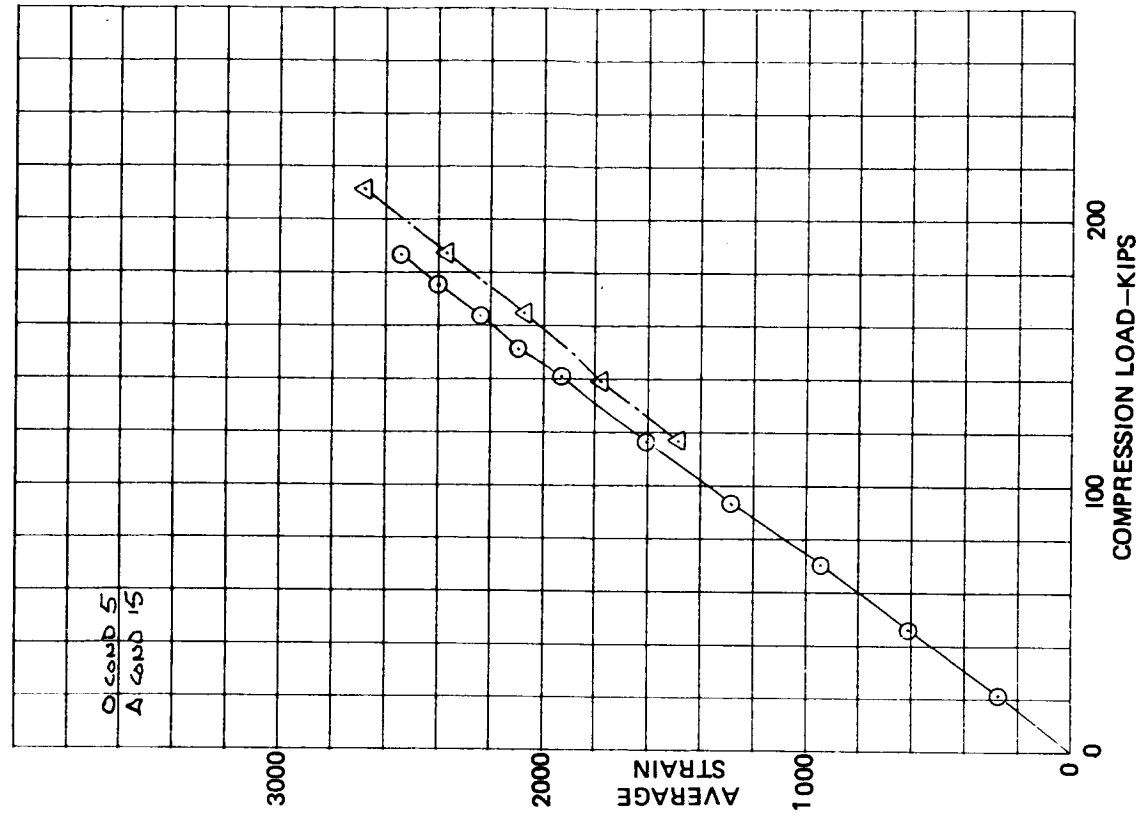


Figure A2-33: AVERAGE STRAIN VS COMPRESSION LOAD-
PANEL 2-2-P.3 - CONDITION 5 AND 15

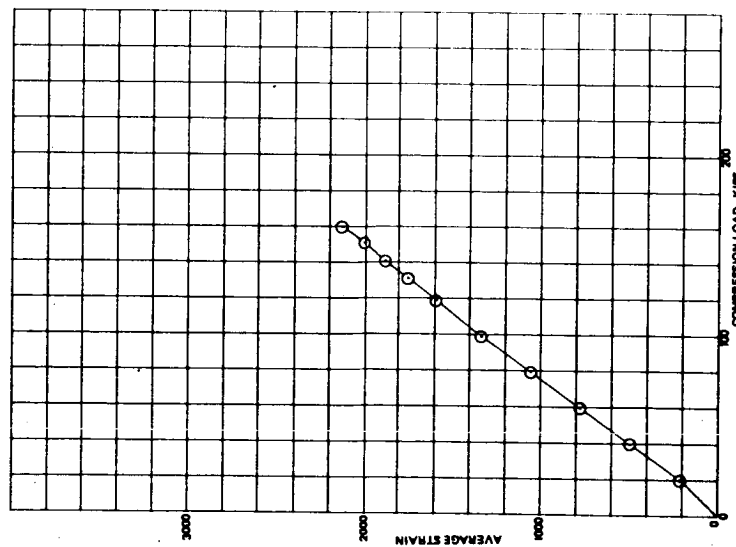


Figure A2-34: AVERAGE STRAIN VS
COMPRESSION LOAD-PANEL 2-2-P-3 -
CONDITION 6

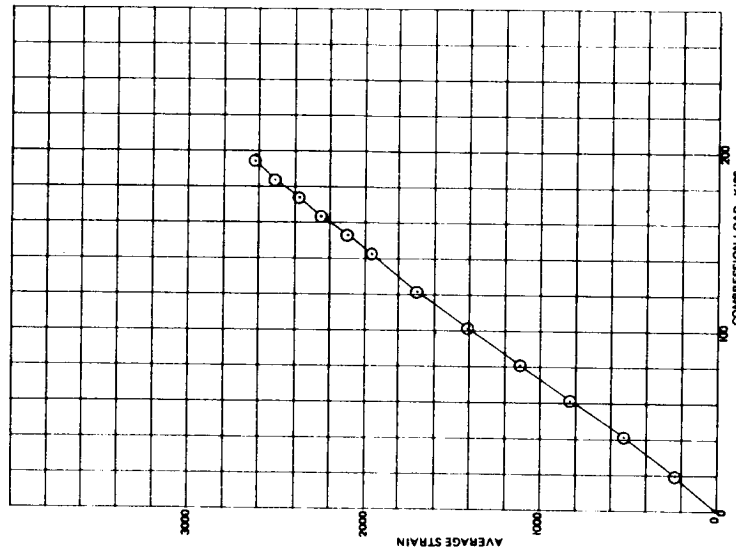


Figure A2-35: AVERAGE STRAIN VS
COMPRESSION LOAD-PANEL 2-2-P-3 -
CONDITION 9

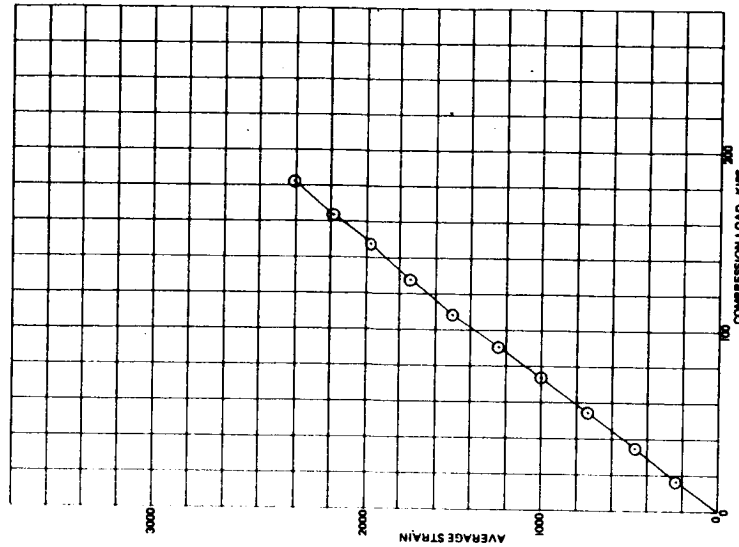


Figure A2-36: AVERAGE STRAIN VS
COMPRESSION LOAD-PANEL 2-2-P-3 -
CONDITION 10

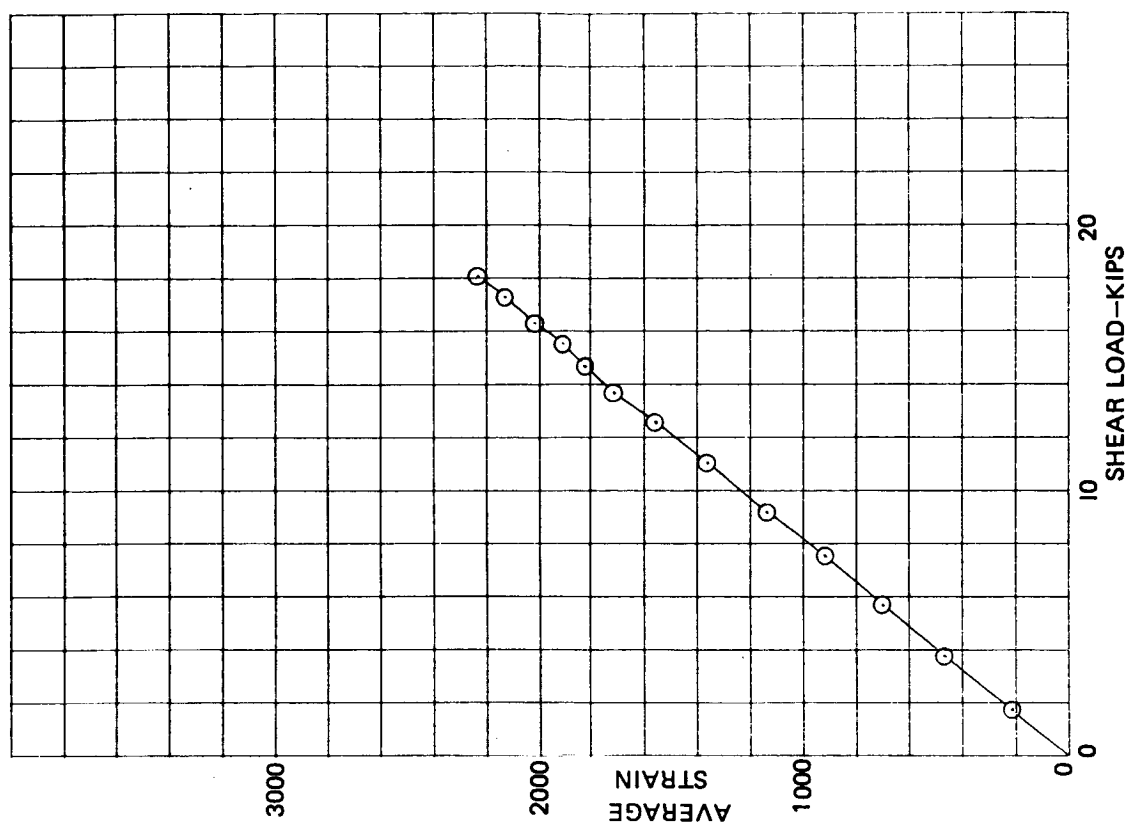


Figure A2-38: AVERAGE STRAIN VS SHEAR LOAD -
PANEL 2-2-P-3 - CONDITION 13

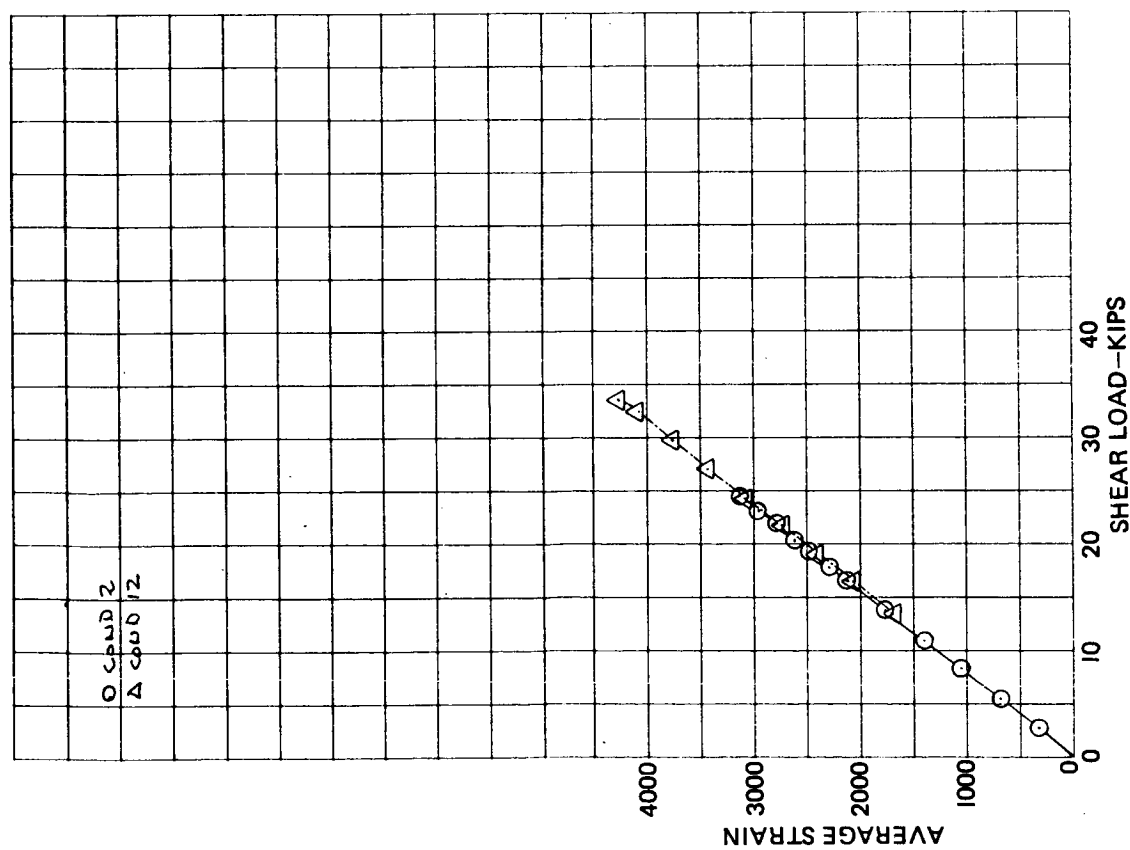


Figure A2-37: AVERAGE STRAIN VS SHEAR LOAD -
PANEL 2-2-P-3 - CONDITION 2 AND 12

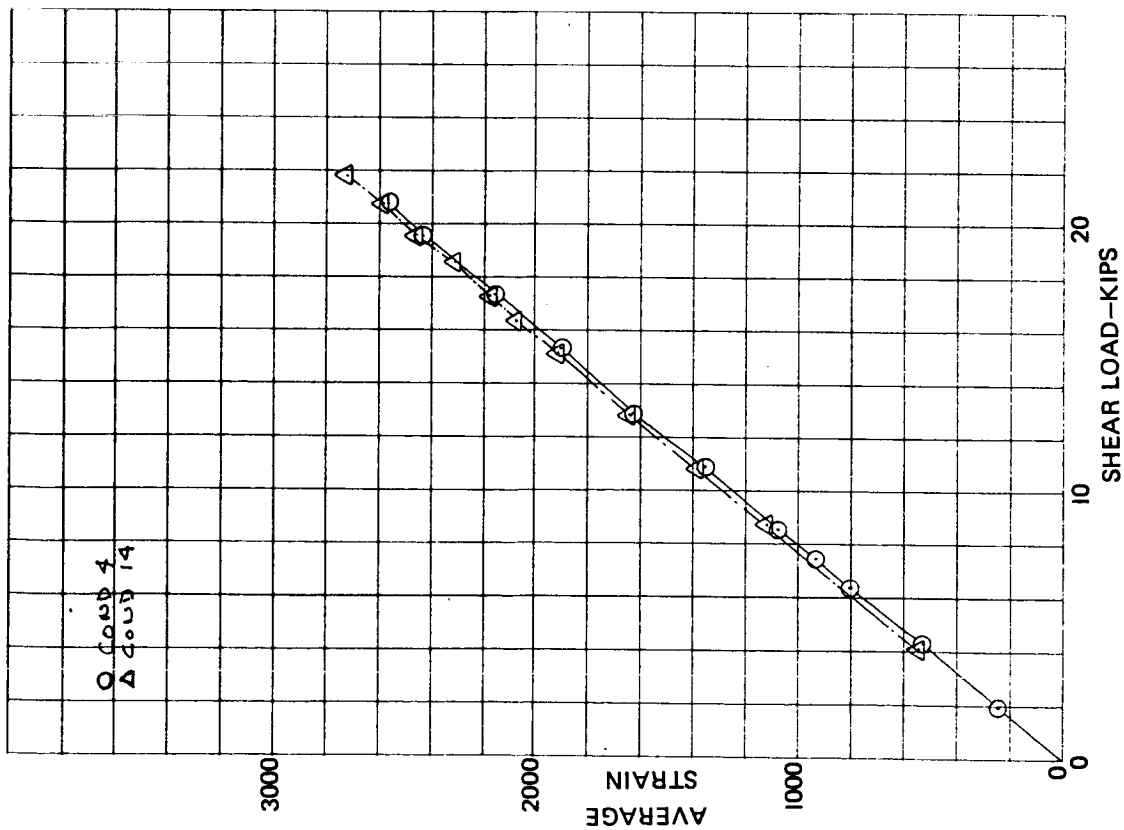


Figure A2-39: AVERAGE STRAIN VS SHEAR LOAD-
 PANEL 2-2-P-3 - CONDITION 4 AND 14

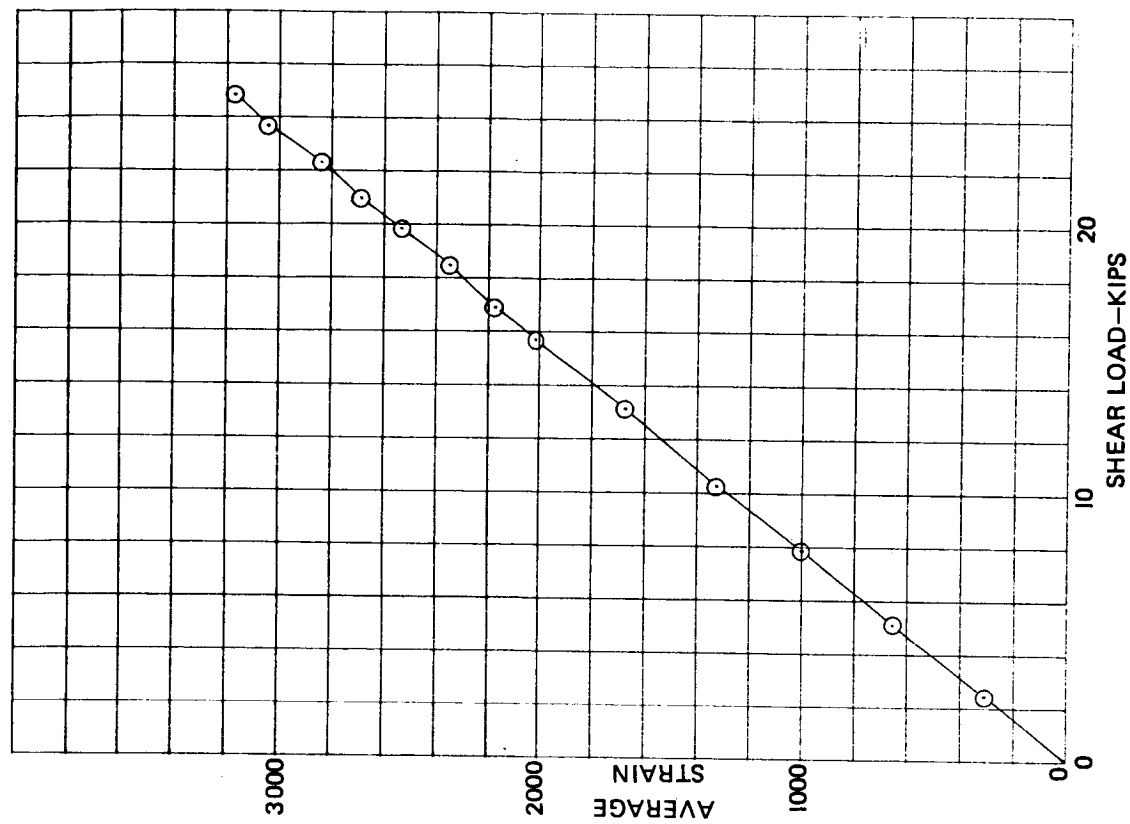


Figure A2-40: AVERAGE STRAIN VS SHEAR LOAD-
 PANEL 2-2-P-3 - CONDITION 7

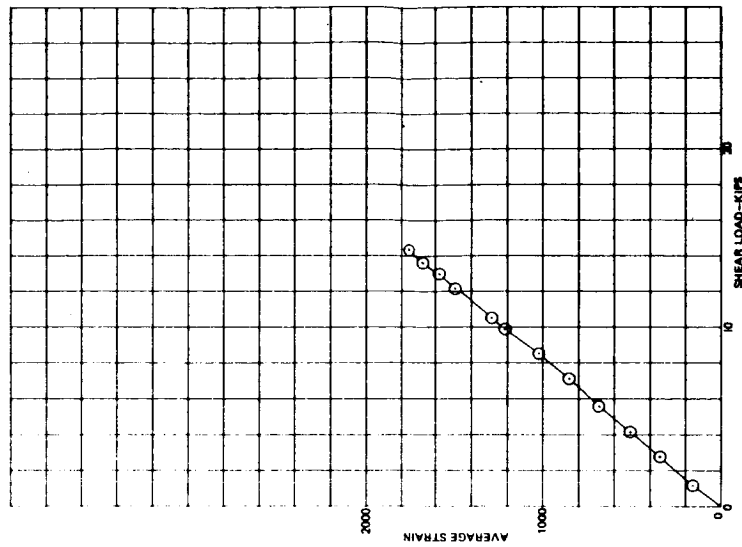


Figure A2-43: AVERAGE STRAIN VS SHEAR
LOAD-PANEL 2-2-P-3 - CONDITION 10

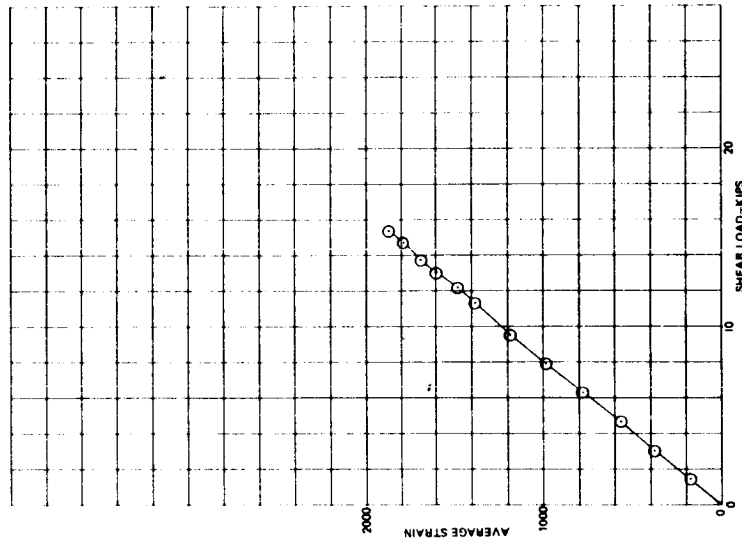


Figure A2-42: AVERAGE STRAIN VS SHEAR
LOAD-PANEL 2-2-P-3 - CONDITION 9

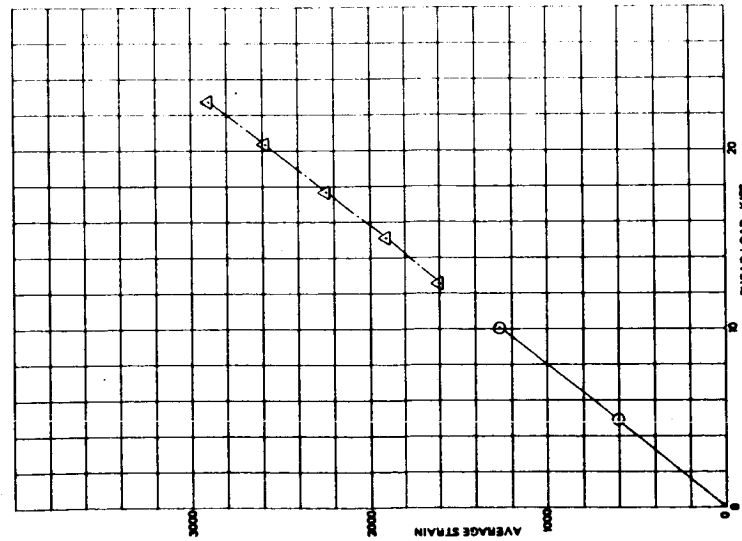


Figure A2-41: AVERAGE STRAIN VS SHEAR
LOAD-PANEL 2-2-P-3 - CONDITION 8



TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC31 UF X .1	SC32 UF X .1	D-1 INCHES X1000	D-3 INCHES X1000	SC21A UF X .1	SC21B UF X .1	SC21C UF X .1
15/12/12/41	GR +0.0000	-508.38	-481.44	+48974	+0.7841	-48679	+0.8000	+49884
15/12/17/34	GR +28.000	+11.514	-96.770	-2.7300	-76.171	-11.278	-85.748	-24.841
15/12/22/35	GR +38.000	+45.238	-143.15	-6.4516	-74.318	-46.671	-129.12	-36.765
15/12/28/08	GR +35.000	+52.867	-169.87	-13.893	-74.218	-54.124	-191.85	-43.728
15/12/33/52	GR +48.000	+59.471	-192.85	-15.753	-78.195	-62.073	-173.49	-50.178
15/12/37/32	GR +45.000	+65.062	-216.75	-19.474	-72.265	-69.028	-192.83	-54.658
15/12/40/31	GR +58.000	+69.637	-239.84	-25.055	-74.218	-76.488	-212.77	-59.619
15/12/45/28	GR +55.000	+70.651	-272.21	-33.426	-74.218	-85.978	-239.79	-67.568
15/12/52/30	GR +56.000	+70.146	-278.76	-35.287	-72.265	-87.411	-241.78	-68.562
15/12/54/13	GR +0.0000	+0.0000	-477.83	-2.7300	+9.8115	-48679	-49767	-1.4907
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC2A UF X .1	SC2B UF X .1	SC2C UF X .1	SC6A UF X .1	SC6B UF X .1	SC6C UF X .1
15/12/12/41	GR +0.0000	+1.0288	-471.19	-1.4956	+1.0293	-97119	-99707
15/12/17/34	GR +28.000	-26.479	-73.785	-26.420	-25.807	-88.342	-10.989
15/12/22/35	GR +38.000	-40.479	-104.85	-40.879	-37.731	-135.27	-45.845
15/12/28/08	GR +35.000	-49.479	-138.88	-48.856	-44.190	-154.24	-53.343
15/12/33/52	GR +40.000	-57.479	-158.83	-56.334	-50.192	-170.28	-60.322
15/12/37/32	GR +45.000	-64.479	-166.88	-63.812	-55.190	-190.18	-66.385
15/12/40/31	GR +58.000	-72.479	-183.83	-70.293	-59.591	-210.65	-71.280
15/12/45/28	GR +55.000	-85.479	-208.86	-83.255	-63.566	-244.61	-80.264
15/12/52/30	GR +56.000	-86.979	-200.85	-85.249	-64.063	-258.60	-74.267
15/12/54/13	GR +0.0000	+1.0288	-471.19	-1.4941	-47167	-97119	-1.4986
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC8A UF X .1	SC8B UF X .1	SC8C UF X .1	SC11A UF X .1	SC11B UF X .1	SC11C UF X .1
15/12/12/32	GR +0.0000	+1.0048	+0.0000	+52685	+53997	-47167	-49707
15/12/17/34	GR +28.000	-31.490	-91.211	-33.374	-28.331	-89.144	-31.487
15/12/22/26	GR +38.000	-49.008	-135.40	-49.825	-42.760	-131.22	-45.865
15/12/28/09	GR +35.000	-58.008	-159.83	-59.297	-50.294	-154.77	-52.844
15/12/33/53	GR +48.000	-68.008	-181.06	-68.271	-56.892	-178.81	-58.328
15/12/37/33	GR +45.000	-76.508	-202.40	-77.245	-63.160	-194.85	-66.385
15/12/40/32	GR +58.000	-86.008	-221.14	-86.218	-69.111	-214.89	-71.789
15/12/45/25	GR +59.000	-87.508	-246.77	-97.685	-74.106	-248.95	-80.244
15/12/52/34	GR +56.008	-90.008	-246.77	-99.679	-74.186	-251.46	-81.241
15/12/54/16	GR +0.0000	+0.0000	-1.9941	-1.9682	+1.0312	-1.0745	-2.4926
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC15A UF X .1	SC15B UF X .1	SC15C UF X .1	SC18A UF X .1	SC18B UF X .1	SC18C UF X .1
15/12/12/32	GR +0.0000	+99462	-174688	-1.9982	+1.0244	-1.0667	-49883
15/12/17/38	GR +28.000	-72.182	-90.265	-34.829	-18.812	-76.854	-25.923
15/12/22/26	GR +38.000	-88.074	-132.88	-50.253	-28.233	-112.30	-37.380
15/12/28/09	GR +35.000	-87.431	-151.81	-58.711	-32.280	-120.77	-42.375
15/12/33/53	GR +48.000	-86.546	-174.65	-66.672	-37.199	-148.75	-47.360
15/12/37/33	GR +45.000	-73.772	-195.19	-73.638	-40.699	-167.22	-50.880
15/12/40/32	GR +58.000	-81.694	-213.84	-80.684	-44.596	-184.20	-53.841
15/12/45/25	GR +59.000	-87.619	-238.87	-85.580	-46.880	-203.67	-58.328
15/12/52/34	GR +56.000	-88.118	-241.75	-83.549	-47.076	-207.16	-58.328
15/12/54/16	GR +0.0000	+1.9992	-2.9614	-2.4877	+2.5166	-4.4993	-2.9912
ECF							

Figure A245 A : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-1 -
CONDITION 11 (100 PERCENT LOAD = 204 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG1 UF X .1	SG3 UF X .1	SG4 UF X .1	SG5 UF X .1	SG7 UF X .1	SG11 UF X .1
15/12/12/41	GR +0.0000	+5.5173	-4.5371	-2.8376	-1.7136	+0.8749	+1.8146
15/12/17/34	GR +20.000	-48.540	+29.505	-85.105	-92.790	-88.671	+27.448
15/12/22/35	GR +30.000	-101.32	+59.205	-126.90	-132.37	-133.77	+40.644
15/12/28/08	GR +35.000	-122.98	+88.475	-150.96	-166.94	-196.58	+48.706
15/12/33/52	GR +40.000	-141.13	+55.615	-172.78	-190.86	-178.88	+55.913
15/12/37/32	GR +45.000	-157.77	+62.246	-192.66	-212.36	-190.66	+62.521
15/12/40/31	GR +50.000	-174.41	+68.346	-212.54	-235.17	-210.04	+70.643
15/12/45/28	GR +55.000	-197.09	+71.976	-242.62	-266.80	-248.32	+84.886
15/12/52/30	GR +56.000	-201.13	+69.806	-247.72	-270.14	-252.88	+89.460
15/12/54/13	GR +0.0000	+1.5463	-4.5371	-2.5483	-2.8273	+0.8749	+1.8146
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG25 UF X .1	SG26 UF X .1	M4 KIPS/UF	SG30 UF X .1	SG31 UF X .1	R5 KIPS/UF
15/12/12/41	GR +0.0000	+0.0000	+50.623	+194.21	-1.47891	+0.0000	+205.71
15/12/17/41	GR +20.000	+72.130	+11.006	+2047.0	+28.401	+11.540	+1391.5
15/12/22/30	GR +30.000	+84.450	+45.278	+1899.1	+43.232	+49.812	+2047.9
15/12/28/08	GR +35.000	+7.121	+53.371	+1919.0	+51.165	+52.939	+2047.9
15/12/33/50	GR +40.000	+6.301	+60.906	+1535.8	+60.000	+59.556	+2047.9
15/12/37/36	GR +45.000	+74.461	+65.470	+1029.0	+68.139	+65.665	+2047.9
15/12/40/38	GR +50.000	+3.641	+72.178	+881.18	+77.796	+69.737	+1253.2
15/12/45/36	GR +55.000	+6.391	+90.311	+711.10	+94.069	+78.246	+880.12
15/12/52/35	GR +56.000	+0.47	+81.328	+594.82	+97.420	+69.228	+601.66
15/12/54/22	GR +0.0000	+50974	+1.0136	+100.67	-1.47891	+50974	+51.384
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG14 UF X .1	SG16 UF X .1	SG17 UF X .1	SG19 UF X .1	SG20 UF X .1	SG22 UF X .1
15/12/12/41	GR +0.0000	-2.5087	+0.0239	+1.5151	-1.5298	-2.8341	+0.8957
15/12/17/34	GR +20.000	-22.594	-101.14	-85.368	-71.196	-91.029	+29.085
15/12/22/35	GR +30.000	-110.08	-152.73	-126.78	-103.74	-134.20	+133.81
15/12/28/08	GR +35.000	-138.34	-180.86	-149.01	-120.92	-160.70	+159.80
15/12/33/52	GR +40.000	-159.18	-208.89	-171.23	-137.81	-188.58	+179.95
15/12/37/32	GR +45.000	-172.80	-237.72	-192.45	-154.88	-208.09	+199.78
15/12/40/31	GR +50.000	-188.59	-265.65	-211.16	-160.85	-224.26	+228.82
15/12/45/28	GR +55.000	-203.29	-305.81	-239.43	-187.14	-251.25	+245.82
15/12/52/30	GR +56.000	-204.21	-313.10	-244.48	-190.19	-257.32	+246.96
15/12/54/13	GR +0.0000	-2.0019	-4.8046	-1.8102	-1.58878	-3.0512	+0.47988
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG23 UF X .1	SG25 UF X .1	SG26 UF X .1	SG27 UF X .1	SG28 UF X .1	SG38 UF X .1
15/12/12/41	GR +0.0000	+0.0000	+2.0372	-2.4912	-2.5078	-2.8371	-1.4888
15/12/17/34	GR +20.000	-16.945	+34.564	+28.532	-91.204	-87.595	+27.514
15/12/22/35	GR +30.000	-145.14	+50.321	+43.803	-134.79	-128.31	+42.276
15/12/28/08	GR +35.000	-170.03	+59.471	+50.420	-157.09	-148.78	+50.980
15/12/33/52	GR +40.000	-195.41	+68.112	+58.056	-179.37	-160.08	+59.583
15/12/37/32	GR +45.000	-218.29	+77.770	+64.164	-199.65	-184.91	+67.728
15/12/40/31	GR +50.000	-240.54	+85.304	+70.272	-216.89	-203.71	+77.988
15/12/45/28	GR +55.000	-269.51	+98.610	+77.399	-230.90	-221.02	+93.179
15/12/52/30	GR +56.000	-275.18	+100.44	+78.417	-242.94	-222.56	+97.241
15/12/54/13	GR +0.0000	-2.0309	+4.0664	-1.4883	-3.5214	-1.5278	+0.0686
ECF							

Figure A2-45B: TABULATED TRANSDUCER DATA-PANEL 1A-1-P-1 -
CONDITION 11 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG20A UF X .1	SG20B UF X .1	SG20C UF X .1	R8 KIPS/UF
15/12/12/45	RR +0.0000	+0.0000	-2.4877	-2.4877	+0.0000
15/12/17/35	RR +20.000	-11.238	-91.580	-35.324	+149.45
15/12/22/30	RR +30.000	-44.624	-134.74	-49.258	+152.99
15/12/28/11	RR +35.000	-51.072	-156.73	-57.716	+152.94
15/12/33/55	RR +40.000	-58.014	-178.42	-65.677	+154.96
15/12/37/35	RR +45.000	-63.964	-199.82	-72.146	+155.44
15/12/40/33	RR +50.000	-68.921	-218.42	-78.614	+154.98
15/12/45/23	RR +55.000	-72.394	-241.41	-86.077	+158.70
15/12/52/28	RR +56.000	-72.898	-243.40	-87.072	+162.38
15/12/54/26	RR +0.0000	-1.49609	-4.4780	-2.4877	-36.491
ECF					

TIME IN DAY/HR/MIN/SEC	CAL CENT LOAD	SG12A UF X .1	SG12B UF X .1	SG12C UF X .1	R10 KIPS/UF	R12 KIPS/UF
15/12/12/45	RR +0.0000	-1.5000	-1.5000	-2.8638	+0.0000	+0.0000
15/12/17/35	RR +20.000	-79.395	-97.080	-32.375	+352.69	+213.77
15/12/22/30	RR +30.000	-43.257	-125.80	-47.352	+364.76	+222.30
15/12/28/11	RR +35.000	-50.750	-148.80	-54.810	+362.85	+210.95
15/12/33/55	RR +40.000	-57.210	-168.80	-62.288	+360.65	+224.88
15/12/37/35	RR +45.000	-64.185	-185.80	-68.769	+374.17	+224.82
15/12/40/33	RR +50.000	-69.148	-202.80	-74.751	+378.84	+220.84
15/12/45/23	RR +55.000	-71.198	-221.80	-83.775	+382.19	+238.81
15/12/52/28	RR +56.000	-69.698	-222.80	-84.772	+390.88	+242.10
15/12/54/26	RR +0.0000	-1.5073	-3.5080	-3.4609	-104.85	-59.750
ECF						

TIME IN DAY/HR/MIN/SEC	CENT LOAD	SG33 UF X .1	SG34 UF X .1	SG35 UF X .1	SG3A UF X .1	D-1 INCHES X1000	R2 KIPS/INCHES X1000
15/12/12/45	RR +0.0000	+0.01271	+1.0485	+0.53515	-0.98242	-0.4104	+1.5351
15/12/17/35	RR +20.000	-41.771	-56.876	-61.787	-85.798	-10.107	+41.027
15/12/22/30	RR +30.000	-02.157	-86.010	-89.984	-95.088	-18.424	+33.183
15/12/28/11	RR +35.000	-109.39	-102.11	-104.47	-102.93	-19.351	+57.183
15/12/33/55	RR +40.000	-125.58	-118.71	-120.55	-125.02	-23.475	+33.989
15/12/37/35	RR +45.000	-138.77	-132.40	-134.82	-141.18	-26.745	+34.285
15/12/40/33	RR +50.000	-151.46	-146.49	-148.88	-156.78	-32.291	+31.280
15/12/45/23	RR +55.000	-174.74	-167.82	-164.78	-172.97	-37.837	+30.220
15/12/52/28	RR +56.000	-177.78	-170.84	-168.28	-176.91	-41.334	+27.445
15/12/54/26	RR +0.0000	+0.01271	+0.03271	+0.03271	-0.98242	-10.107	+0.50186
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG9R UF X .1	SG12R UF X .1	H1 KIPS/UF	SG3 UF X .1	SG11 UF X .1	R7 KIPS/UF
15/12/12/43	RR +0.0000	-1.4697	+3.0244	+21.903	+0.57292	+1.0166	+203.92
15/12/17/41	RR +20.000	-07.329	-82.380	+276.89	+30.115	+27.958	+1491.1
15/12/22/30	RR +30.000	-145.28	-122.79	+271.49	+44.395	+42.188	+2047.9
15/12/28/04	RR +35.000	-170.72	-144.75	+277.14	+52.655	+48.706	+1914.2
15/12/33/50	RR +40.000	-197.68	-164.72	+247.27	+60.206	+55.484	+1697.0
15/12/37/36	RR +45.000	-222.64	-182.70	+229.84	+66.835	+62.521	+2047.9
15/12/40/38	RR +50.000	-246.80	-199.47	+212.96	+72.996	+69.637	+2047.9
15/12/45/36	RR +55.000	-282.08	-218.15	+178.92	+77.036	+86.411	+1219.6
15/12/52/35	RR +56.000	-289.54	-219.14	+161.75	+74.996	+89.949	+768.88
15/12/54/22	RR +0.0000	-1.9687	+0.52882	+20.316	+0.57292	+0.0000	+95.398
ECF							

Figure A2-45C : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-1 -
CONDITION 11 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC-1 KIPS	LPC-2 KIPS	LPS KIPS	IPP PSIG X100
15/12/12/45	GR +0.0000	+0.0000	+0.0000	+0.0634	+0.04101
15/12/17/35	GR +20.000	+20.387	+19.649	-0.09570	+1.3212
15/12/22/38	GR +30.000	+30.343	+29.647	-0.09570	+0.04101
15/12/28/11	GR +35.000	+35.084	+34.941	-0.09570	+0.04115
15/12/33/55	GR +40.000	+40.774	+40.105	-0.09570	-0.59012
15/12/37/35	GR +45.000	+45.214	+44.980	-0.09570	+0.04101
15/12/40/33	GR +50.000	+50.254	+49.745	-0.09570	+0.04101
15/12/45/23	GR +55.000	+56.420	+55.946	-1.0726	+0.04119
15/12/52/28	GR +56.000	+58.314	+57.421	-1.0726	-0.59012
15/12/54/26	GR +0.0000	+0.0000	-0.47441	-0.09570	-0.59012
EOF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SP10A UF X .1	SG10B UF X .1	SG10C UF X .1	R6 KIPS/UE
15/12/12/45	GR +0.0000	+1.4914	-1.4843	-2.4794	+0.0000
15/12/17/35	GR +20.000	-30.954	-94.072	-33.258	+145.50
15/12/22/38	GR +30.000	-46.432	-140.11	-47.666	+146.55
15/12/28/11	GR +35.000	-54.910	-164.87	-56.112	+145.31
15/12/33/55	GR +40.000	-62.404	-188.14	-64.062	+147.96
15/12/37/35	GR +45.000	-68.894	-210.42	-71.017	+147.15
15/12/40/33	GR +50.000	-75.380	-231.71	-76.979	+147.98
15/12/45/23	GR +55.000	-79.383	-259.44	-83.935	+148.92
15/12/52/28	GR +56.000	-77.885	-263.89	-83.438	+150.82
15/12/54/26	GR +0.0000	+0.40707	-2.9747	-2.4521	-54.476
EOF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG24A UF X .1	SG24B UF X .1	SG24C UF X .1	R7 KIPS/UE
15/12/12/45	GR +0.0000	+0.0000	-1.9873	-1.4768	+0.0000
15/12/17/35	GR +20.000	-36.824	-93.443	-31.376	+146.47
15/12/22/38	GR +30.000	-49.240	-138.11	-43.840	+148.61
15/12/28/11	GR +35.000	-45.211	-162.46	-50.321	+147.40
15/12/33/55	GR +40.000	-50.674	-184.81	-57.300	+149.81
15/12/37/35	GR +45.000	-56.144	-205.48	-62.784	+150.46
15/12/40/33	GR +50.000	-60.012	-227.04	-66.274	+150.68
15/12/45/23	GR +55.000	-66.074	-252.78	-72.256	+152.33
15/12/52/28	GR +56.000	-67.071	-255.86	-72.256	+154.94
15/12/54/26	GR +0.0000	-0.50244	-1.4740	-1.4760	-47.042
EOF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG9A UF X .1	SG9B UF X .1	SG9C UF X .1	R9 KIPS/UE	R11 KIPS/UE
15/12/12/45	GR +0.0000	+0.52734	+0.02842	-0.00511	+0.0000	+0.0000
15/12/17/35	GR +20.000	-35.541	-96.148	-35.326	+310.88	+197.40
15/12/22/38	GR +30.000	-44.574	-145.04	-52.243	+317.34	+199.38
15/12/28/11	GR +35.000	-43.595	-171.46	-61.697	+314.19	+180.87
15/12/33/55	GR +40.000	-75.114	-196.89	-70.653	+315.41	+191.20
15/12/37/35	GR +45.000	-85.638	-221.72	-79.111	+314.61	+190.10
15/12/40/33	GR +50.000	-95.654	-246.74	-88.067	+310.90	+188.45
15/12/45/23	GR +55.000	-112.60	-281.14	-104.98	+304.45	+185.88
15/12/52/28	GR +56.000	-116.69	-284.12	-109.94	+308.09	+184.76
15/12/54/26	GR +0.0000	-0.47070	-1.4648	-1.4926	-188.69	-187.21
EOF						

Figure A2-45 D : TABULATED TRANSDUCER DATA-PANEL 1A-1P-1 -
CONDITION 11 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG21 UF X .1	SG22 UF X .1	D-1 INCHES X1000	D-3 INCHES X1000	SG21A UF X .1	SG21H UF X .1	SG21C UF X .1
16/11/09/06	GR +0.0000	+5.5515	+1.5419	+1.8662	-19.445	+4.0654	+1.5249	+0.0000
16/11/12/03	GR +0.0000	+5.5515	+3.144	+128.44	-15.452	-0.938	+3.0410	+10.014
16/11/16/43	GR +20.000	+12.734	+7.4879	+145.07	-150.65	-44.134	-38.255	+17.024
16/11/20/08	GR +30.000	+15.275	-12.601	+146.42	-185.87	-75.021	-58.505	+21.038
16/11/22/14	GR +40.000	+16.808	-13.311	+154.31	-219.13	-76.384	-77.471	+24.535
16/11/26/00	GR +50.000	+14.250	-50.901	+160.78	-254.30	-117.25	-95.340	+28.541
16/11/30/24	GR +60.000	+7.6513	-74.721	+167.25	-291.48	-143.08	-116.72	+30.544
16/11/35/24	GR +65.000	+0.2684	-82.389	+168.18	-311.09	-154.00	-125.46	+31.045
16/11/37/54	GR +70.000	+5.738	-93.925	+169.18	-332.61	-172.39	-136.49	+28.541
16/11/41/28	GR +75.000	-50.310	-97.947	+168.18	-354.09	-198.74	-144.44	+23.033
16/11/51/18	GR +0.0000	-131.48	+14.478	+373.32	-99.783	+1.053	+25.617	+2.0029
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG2A UF X .1	SG2H UF X .1	SG2C UF X .1	SG6A UF X .1	SG6H UF X .1	SG6C UF X .1
16/11/09/06	GR +0.0000	+1.0102	+0.2774	-2.9726	+1.4070	+0.9053	+4.0787
16/11/12/03	GR +0.0000	+5.6210	-5.4542	+5.2734	-4.4828	+4.0002	+5.0614
16/11/16/43	GR +20.000	-11.454	-40.882	+11.081	-42.443	-44.475	+1.99345
16/11/20/08	GR +30.000	-10.427	-57.402	+16.607	-40.493	-46.901	+0.90345
16/11/22/14	GR +40.000	-19.897	-75.251	+21.120	-42.311	-48.864	+1.0673
16/11/26/00	GR +50.000	-08.863	-88.711	+24.654	-101.15	-180.83	+3.4931
16/11/30/24	GR +60.000	-10.33	-103.46	+30.676	-123.46	-135.80	+1.4902
16/11/35/24	GR +65.000	-11.832	-108.45	+33.188	-134.37	-148.78	+0.0000
16/11/37/54	GR +70.000	-120.89	-109.45	+35.198	-147.96	-168.75	-1.0766
16/11/41/28	GR +75.000	-130.79	-98.194	+40.222	-164.12	-184.72	-14.904
16/11/51/18	GR +0.0000	+28.631	+40.144	+35.198	+10.479	+8.4833	+4.90688
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG8A UF X .1	SG8H UF X .1	SG8C UF X .1	SG13A UF X .1	SG13H UF X .1	SG13C UF X .1
16/11/09/12	GR +0.0000	+1.0132	+2.0000	+1.0000	+2.0000	-1.00000	+4.0785
16/11/12/01	GR +0.0000	+11.242	+44.003	+72.000	-40.500	-51.000	-74.111
16/11/16/42	GR +20.000	+76.624	+24.035	+84.000	-135.90	-99.500	+85.500
16/11/20/05	GR +30.000	+19.266	+6.0887	+91.500	-163.00	-124.00	-90.585
16/11/22/09	GR +40.000	+4.0134	-11.000	+99.000	-193.00	-148.50	-96.028
16/11/26/05	GR +50.000	-10.200	-24.000	+108.00	-220.00	-168.50	-100.00
16/11/30/28	GR +60.000	-74.000	-34.000	+117.50	-254.90	-184.00	-110.05
16/11/35/25	GR +65.000	-70.000	-44.500	+124.50	-271.00	-191.00	-114.42
16/11/37/54	GR +70.000	-73.200	-47.000	+132.00	-290.50	-194.00	-129.88
16/11/41/20	GR +75.000	-70.500	-35.000	+143.50	-309.90	-189.50	-138.92
16/11/51/26	GR +0.0000	+2.5210	+11.516	+4.5000	-1.0999	-3.0000	+2.4897
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	SG18A UF X .1	SG18H UF X .1	SG18C UF X .1
16/11/09/12	GR +0.0000	+1.0087	-1.9927	+5.2922	+2.5008	+1.0010	+1.4624
16/11/12/01	GR +0.0000	-1.4267	-1.4807	-1.6590	+2.500	+3.5239	+0.0010
16/11/16/42	GR +20.000	-7.409	-50.400	-5.0614	-21.617	-39.076	+15.983
16/11/20/05	GR +30.000	-70.277	-73.204	-4.0628	-38.180	-58.614	+20.000
16/11/22/09	GR +40.000	-92.069	-93.724	-3.4643	-55.039	-77.150	+24.112
16/11/26/05	GR +50.000	-111.35	-111.47	-3.0643	-71.402	-92.680	+25.129
16/11/30/28	GR +60.000	-132.68	-130.11	-7.4580	-89.252	-114.22	+32.681
16/11/35/25	GR +65.000	-151.97	-137.69	-9.4580	-108.674	-128.24	+34.688
16/11/37/54	GR +70.000	-170.78	-143.87	-17.444	-108.09	-138.24	+36.685
16/11/41/20	GR +75.000	-202.96	-136.59	-34.918	-110.50	-148.28	+40.648
16/11/51/25	GR +0.0000	+21.382	+31.478	+23.483	-7.9335	+5.0007	+10.044
ECF							

Figure A2-46A : TABULATED TRANSDUCER DATA-PANEL 1A-1P-1 -
CONDITION 20 (100 PERCENT LOAD = 104 KIPS)

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SG25 UF X .1	SG26 UF X .1	N4 KIPS/UF	SG30 UF X .1	SG31 UF X .1	RS KIPS/UF
16/13/09/04	QR +0.0000	+5.50474	-4.98575	+32.025	+0.02436	+0.0000	+1814.8
16/13/12/09	QR +0.0000	-7.0361	+1.0101	+61.640	+5.5417	+0.0000	+359.62
16/13/12/24	T +0.0000	+0.02634	+0.02634	+2047.0	+0.0000	+0.0000	+2047.9
16/13/16/45	QR +20.000	+2.751	+20.476	+250.47	+22.429	+11.220	+188.49
16/13/20/12	QR +30.000	+15.297	+10.425	+203.77	+36.697	+15.300	+149.41
16/13/22/14	QR +40.000	+19.874	+41.119	+192.52	+52.254	+15.410	+112.21
16/13/26/05	QR +50.000	+22.423	+52.200	+167.24	+70.010	+13.260	+87.907
16/13/30/24	QR +60.000	+23.954	+55.471	+146.61	+96.401	+6.4508	+67.818
16/13/35/18	QR +65.000	+22.932	+74.663	+127.00	+114.65	-1.91025	+46.982
16/13/38/01	QR +70.000	+17.842	+86.778	+104.16	+142.95	-17.315	+44.913
16/13/41/25	QR +75.000	-5.5493	+112.14	+65.441	+180.73	-51.437	+31.945
16/13/51/31	QR +0.0000	+1.0444	-4.0205	-104.70	+142.05	-132.41	-1.9326
ECF							

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SG1 UF X .1	SG3 UF X .1	SG4 UF X .1	SG5 UF X .1	SG7 UF X .1	SG11 UF X .1
16/13/09/06	QR +0.0000	+1.0430	-4.0650	-5.1171	+1.0136	+1.5454	+5.9030
16/13/12/03	QR +0.0000	+1.230	+0.02400	-86.610	-75.011	+85.707	-10.587
16/13/16/43	QR +20.000	+22.820	+14.814	-114.44	-130.25	+52.554	+1.0166
16/13/20/08	QR +30.000	+11.161	+24.565	-138.83	-160.16	+36.275	+8.1328
16/13/22/14	QR +40.000	-2.0302	+32.672	-161.71	-190.06	+23.005	+11.060
16/13/26/00	QR +50.000	-13.194	+40.875	-182.56	-220.47	+19.774	+14.232
16/13/30/24	QR +60.000	-26.391	+53.572	-207.90	-262.03	+2.8890	+14.232
16/13/35/28	QR +65.000	-15.520	+60.712	-218.67	-284.36	-4.8193	+11.000
16/13/37/29	QR +70.000	-45.681	+75.540	-231.38	-320.32	-4.8193	+1.9581
16/13/41/28	QR +75.000	-61.923	+90.886	-245.62	-373.03	+12.777	-0.0747
16/13/51/18	QR +0.0000	+17.395	-9.6101	-48.312	+8.1171	+10.405	+1.0166
ECF							

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SG14 UF X .1	SG16 UF X .1	SG17 UF X .1	SG19 UF X .1	SG20 UF X .1	SG22 UF X .1
16/13/09/06	QR +0.0000	+1.5205	+1.5403	+2.0527	+5.3515	-5.9027	+1.5737
16/13/12/03	QR +0.0000	-76.532	+70.066	+71.666	-51.411	-50.927	+50.955
16/13/16/43	QR +20.000	-120.24	+17.006	+32.264	-98.773	-101.34	+14.844
16/13/20/08	QR +30.000	-156.61	+16.234	+14.354	-122.20	-126.37	+1.0048
16/13/22/14	QR +40.000	-180.94	-2.9204	-4.8144	-144.64	-152.27	-12.178
16/13/26/00	QR +50.000	-199.18	-21.873	-12.645	-160.05	-175.12	-20.329
16/13/30/24	QR +60.000	-227.56	-46.878	-26.836	-192.10	-202.17	-41.534
16/13/35/28	QR +65.000	-238.71	-61.007	-32.918	-215.39	-215.42	-46.006
16/13/37/29	QR +70.000	-254.93	-79.401	-47.987	-235.76	-233.24	-49.137
16/13/41/28	QR +75.000	-276.22	-96.294	-60.014	-252.70	-240.03	-45.082
16/13/51/18	QR +0.0000	-13.451	+14.209	+12.307	-5.0668	+29.982	+23.916
ECF							

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SG23 UF X .1	SG25 UF X .1	SG26 UF X .1	SG27 UF X .1	SG28 UF X .1	SG30 UF X .1
16/13/09/06	QR +0.0000	+1.5205	+1.5403	+5.0683	-1.4041	-4.8095	+1.0366
16/13/12/03	QR +0.0000	+56.828	-1.7007	+1.4206	-54.711	-52.252	+1.5737
16/13/16/43	QR +20.000	+11.068	+11.707	+22.365	-108.91	-103.01	+24.964
16/13/20/08	QR +30.000	-10.134	+16.289	+33.547	-134.28	-124.34	+17.005
16/13/22/14	QR +40.000	-10.418	+20.341	+45.713	-170.12	-140.71	+54.403
16/13/26/00	QR +50.000	-17.642	+22.966	+54.388	-183.44	-165.44	+71.201
16/13/30/24	QR +60.000	-44.920	+23.224	+64.637	-211.85	-182.60	+97.761
16/13/35/28	QR +65.000	-76.532	+21.888	+76.753	-230.07	-185.21	+119.67
16/13/37/29	QR +70.000	-74.114	+16.707	+84.960	-251.87	-180.15	+144.54
16/13/41/28	QR +75.000	-78.559	-5.0542	+117.85	-279.24	-135.40	+191.42
16/13/51/18	QR +0.0000	+19.795	+1.5268	-2.0273	-8.5625	-43.114	+145.10
ECF							

Figure A2-46B : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-1 -
CONDITION 20 (Continued)

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG9A UF X .1	SG9R UF X .1	SG9C UF X .1	R9 KIPS/UE	H11 KIPS/UE
16/13/00/13	GM +0.0000	+1.0460	+1.0105	+0.0000	+0.0000	+0.0000
16/13/12/07	GM +0.0000	+1.7445	+1.3024	+13.5000	+4.4135	-7.4470
16/13/16/46	GM +20.0000	-11.892	+42.524	+20.0000	-370.80	+191.12
16/13/20/07	GM +30.0000	-41.794	+23.074	+24.0000	-1060.9	+380.04
16/13/22/11	GM +40.0000	-43.647	+1.0105	+26.5000	-2047.8	+324.17
16/13/26/07	GM +50.0000	-65.540	-14.429	+29.0000	+2047.9	+297.71
16/13/30/25	GM +60.0000	-11.94	-35.446	+24.5000	+1205.7	+280.01
16/13/35/23	GM +65.0000	-124.84	-48.379	+25.5000	+964.43	+274.44
16/13/38/02	GM +70.0000	-52.74	-44.242	+18.5000	+745.72	+261.04
16/13/41/24	GM +75.0000	-85.54	-44.224	+1.4902	+654.55	+245.61
16/13/51/24	GM +0.0000	+1.0461	+10.478	+0.0000	+201.32	-121.96
ECF						

TIME IN DAY/HH/MM/SEC	CAL CENT LOAD	SG12A UF X .1	SG12H UF X .1	SG12C UF X .1	R10 KIPS/UE	R12 KIPS/UE
16/13/00/13	GM +0.0000	+5.3271	+2.9412	-1.4687	+0.0000	+0.0000
16/13/12/07	GM +0.0000	-6.4443	-72.247	-11.953	-5.0027	-3.0825
16/13/16/46	GM +20.0000	-41.254	-125.43	-5.9624	+124.07	+76.401
16/13/20/07	GM +30.0000	-47.190	-151.45	-2.9667	+159.16	+94.066
16/13/22/11	GM +40.0000	-74.107	-177.47	+0.0280	+172.96	+184.02
16/13/26/07	GM +50.0000	-68.039	-202.40	+3.0244	+181.69	+107.26
16/13/30/25	GM +60.0000	-102.44	-230.12	+4.5224	+202.23	+117.94
16/13/35/23	GM +65.0000	-106.44	-242.74	+5.0361	+207.17	+121.02
16/13/38/02	GM +70.0000	-104.93	-254.73	+2.0258	+213.77	+124.50
16/13/41/24	GM +75.0000	-101.47	-270.70	-2.4672	+220.84	+130.71
16/13/51/24	GM +0.0000	-1.0467	-6.4444	-2.4672	-113.43	-382.04
ECF						

TIME IN DAY/HH/MM/SEC	CENT LOAD	SG33 UF X .1	SG34 UF X .1	SG35 UF X .1	SG3A UF X .1	D-1 INCHES X1000	R2 KIPS/INCHES X1000
16/13/00/13	GM +0.0000	+5.0537	+1.0274	+1.0083	+1.0074	+0.0597	+80.327
16/13/12/07	GM +0.0000	+0.0000	+7.5403	-6.5541	+4.1094	+121.35	+153.22
16/13/16/46	GM +20.0000	-11.404	-20.670	-44.345	-11.436	+0.0597	+0.0000
16/13/20/07	GM +30.0000	-46.104	-14.746	-59.994	-48.493	+11.964	+14.940
16/13/22/11	GM +40.0000	-61.804	-47.300	-77.639	-62.005	+18.599	+10.614
16/13/26/07	GM +50.0000	-75.944	-41.002	-91.251	-77.117	+25.044	+16.209
16/13/30/25	GM +60.0000	-62.706	-76.176	-104.89	-93.199	+20.723	+16.708
16/13/35/23	GM +65.0000	-100.30	-83.145	-115.95	-100.97	+77.130	+16.300
16/13/38/02	GM +70.0000	-109.42	-91.241	-127.04	-111.63	+48.993	+16.849
16/13/41/24	GM +75.0000	-117.59	-99.317	-136.62	-120.76	+40.847	+17.578
16/13/51/24	GM +0.0000	+0.0452	+11.606	-1.5124	+3.5061	+39.920	+19.209
ECF						+243.86	-217.77

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG9R UF X .1	SG12H UF X .1	H1 KIPS/UE	SG3 UF X .1	SG11 UF X .1	R3 KIPS/UE
16/13/00/04	GM +0.0000	+0.0283	+4.0443	+101.76	+0.0000	+5.9474	+94.049
16/13/12/09	GM +0.0000	+9.024	-75.274	+1.2290	+7.1503	-11.614	+10.104
16/13/16/24	T +0.0000	+0.0000	+0.0000	+2047.9	+0.0490	+0.0000	+0.0000
16/13/16/45	GM +20.0000	-10.000	-54.340	+145.88	+15.147	+13.234	+990.78
16/13/20/12	GM +30.0000	-40.004	-40.244	+152.53	+24.540	+19.852	+699.27
16/13/22/18	GM +40.0000	-78.804	-107.14	+144.10	+32.201	+23.415	+469.44
16/13/26/06	GM +50.0000	-96.876	-150.11	+150.21	+40.844	+29.451	+323.95
16/13/30/23	GM +60.0000	-114.94	-159.03	+151.92	+54.874	+24.942	+204.74
16/13/34/14	GM +65.0000	-131.00	-170.09	+164.11	+62.135	+22.387	+164.11
16/13/38/01	GM +70.0000	-146.04	-186.05	+174.63	+75.614	+15.770	+120.00
16/13/41/25	GM +75.0000	-167.15	-199.01	+235.16	+90.037	+2.5243	+87.143
16/13/51/31	GM +0.0000	-6.0000	+64.311	-4.0098	-9.5869	+11.198	-25.514
ECF							

Figure A2-46C : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-1 -
CONDITION 20 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC-1 KIPS	LPC-2 KIPS	LPS KIPS	LPP KIPS
16/13/09/13	GR +0.0000	+0.0000	+0.0000	-3.0566	+2.5566
16/13/12/07	GR +0.0000	+0.0000	-4.7908	-2.2036	+09.709
16/13/16/46	GR +20.000	+10.904	+10.079	+1.5161	+100.34
16/13/20/07	GR +30.000	+16.170	+15.359	+2.3247	+09.709
16/13/22/11	GR +40.000	+20.861	+20.649	+3.1333	+101.42
16/13/26/07	GR +50.000	+24.654	+23.909	+3.8408	+08.430
16/13/30/25	GR +60.000	+30.817	+30.248	+4.8519	+100.34
16/13/35/23	GR +65.000	+33.184	+32.648	+5.2958	+09.049
16/13/38/02	GR +70.000	+36.507	+35.908	+5.6601	+09.709
16/13/41/24	GR +75.000	+39.826	+38.308	+6.0644	+09.709
16/13/51/24 ECF	GR +0.0000	-1.4321	-2.9042	+1.0107	+3.8349

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG10A UF X .1	SG10B UF X .1	SG10C UF X .1	R6 KIPS/UE
16/13/09/13	GR +0.0000	+7.5164	+5.2343	-2.9423	+0.0000
16/13/12/07	GR +0.0000	-4.6729	-9.6101	-9.3780	+137.26
16/13/16/46	GR +20.000	-0.135	-47.502	-3.4375	+130.40
16/13/20/07	GR +30.000	-59.969	-70.278	-9.97802	+133.91
16/13/22/11	GR +40.000	-80.794	-93.043	+1.5390	+125.50
16/13/26/07	GR +50.000	-69.637	-112.46	+4.0561	+115.50
16/13/30/25	GR +60.000	-121.95	-136.42	+1.0356	+115.93
16/13/35/23	GR +65.000	-133.35	-149.00	-4.47460	+111.97
16/13/38/02	GR +70.000	-148.23	-162.86	-7.3984	+112.02
16/13/41/24	GR +75.000	-161.12	-174.75	-17.795	+113.92
16/13/51/24 ECF	GR +0.0000	+2.5200	+3.9402	+1.0356	+172.75

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG24A UF X .1	SG24B UF X .1	SG24C UF X .1	R7 KIPS/UE
16/13/09/13	GR +0.0000	+1.9902	+0.0000	+0.0000	+0.0000
16/13/12/07	GR +0.0000	+0.515	-4.9755	-12.524	-79.486
16/13/16/46	GR +20.000	-27.863	-50.253	-11.021	+140.54
16/13/20/07	GR +30.000	-46.770	-73.141	-10.019	+139.65
16/13/22/11	GR +40.000	-66.672	-97.073	-9.0175	+132.91
16/13/26/07	GR +50.000	-85.082	-117.02	-7.5146	+122.60
16/13/30/25	GR +60.000	-106.97	-143.79	-10.520	+121.98
16/13/35/23	GR +65.000	-117.92	-156.73	-11.021	+119.55
16/13/38/02	GR +70.000	-133.84	-171.45	-17.514	+117.93
16/13/41/24	GR +75.000	-157.22	-184.59	-32.062	+115.93
16/13/51/24 ECF	GR +0.0000	+2.4877	+5.4731	+2.5083	+271.95

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG29A UF X .1	SG29B UF X .1	SG29C UF X .1	RA KIPS/UE
16/13/09/13	GR +0.0000	+1.4909	-9.8306	-1.0873	+0.0000
16/13/12/07	GR +0.0000	-0.9365	-2.4445	+8.0273	-48.145
16/13/16/46	GR +20.000	-44.714	-40.774	+19.064	+114.29
16/13/20/07	GR +30.000	-61.606	-72.114	+25.085	+114.20
16/13/22/11	GR +40.000	-75.517	-92.514	+33.614	+111.20
16/13/26/07	GR +50.000	-86.447	-110.02	+44.150	+103.90
16/13/30/25	GR +60.000	-94.396	-132.81	+56.692	+104.32
16/13/35/23	GR +65.000	-94.894	-142.27	+66.225	+102.86
16/13/38/02	GR +70.000	-99.929	-154.71	+79.771	+103.68
16/13/41/24	GR +75.000	-73.230	-161.47	+107.36	+103.60
16/13/51/24 ECF	GR +0.0000	+52.894	+29.574	+120.41	+92.198

Figure A2-46D : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-1 –
CONDITION 20 (Continued)

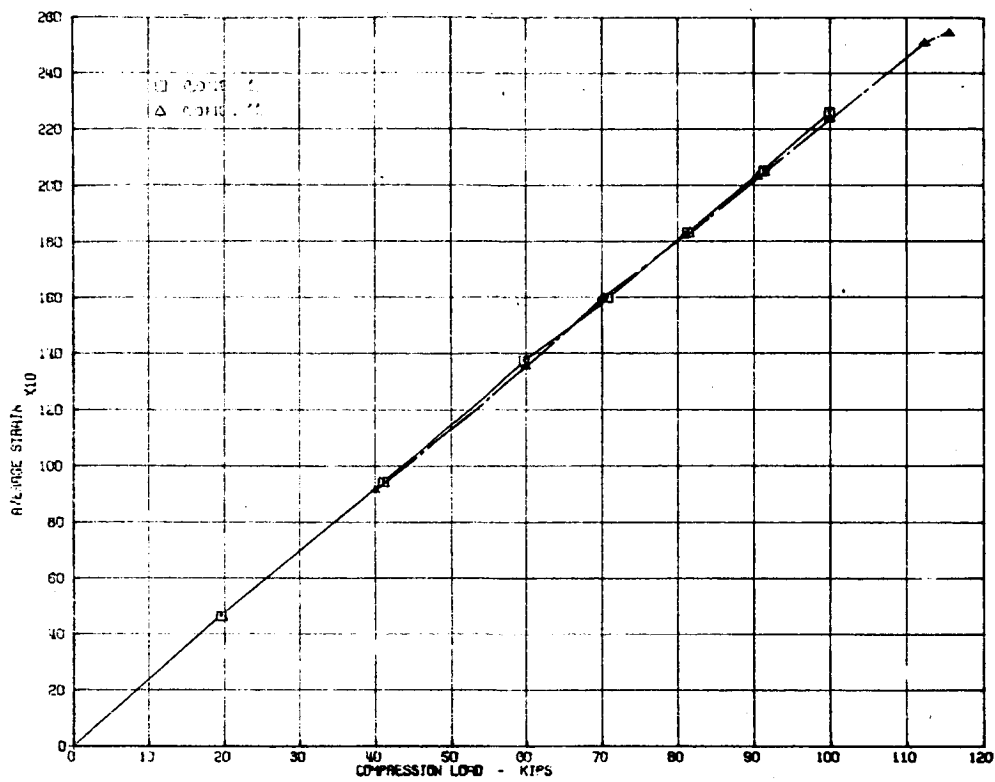


Figure A2-47: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 - CONDITION 1 AND 11

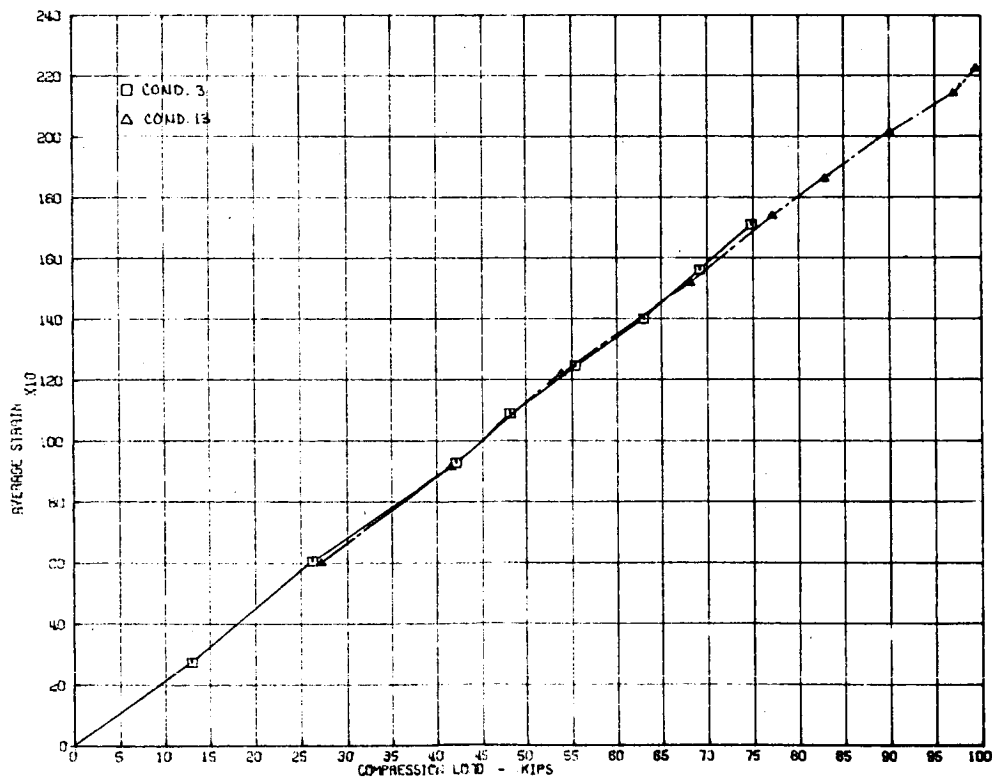


Figure A2-48: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 - CONDITION 3 AND 13

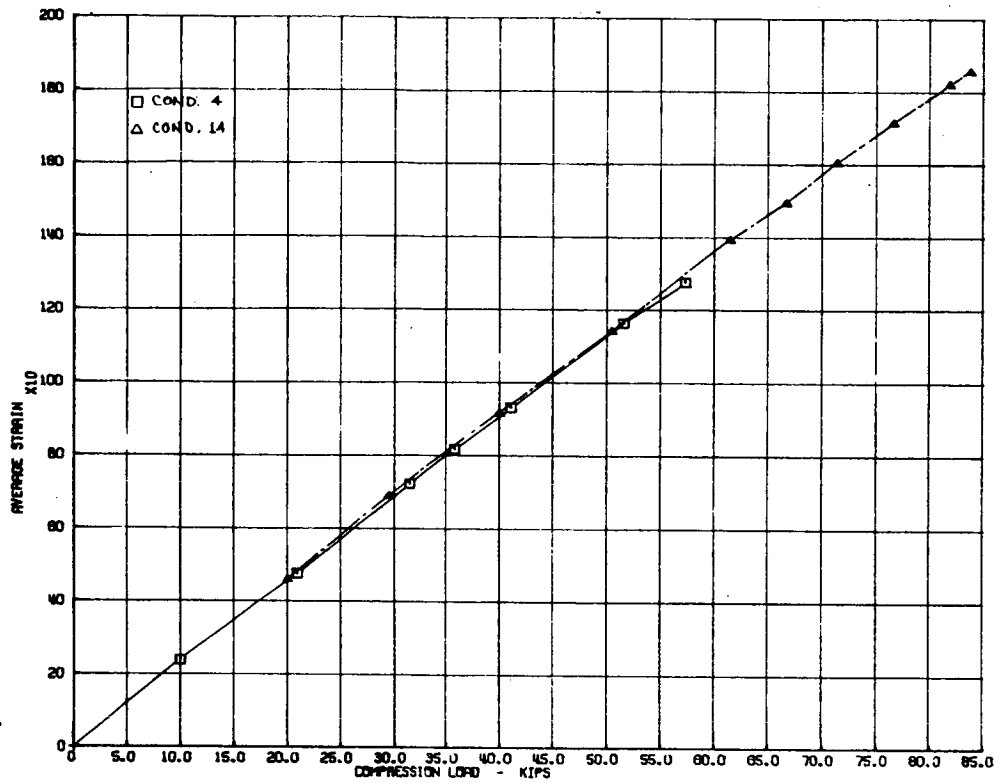


Figure A2-49: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 - CONDITION 4 AND 14

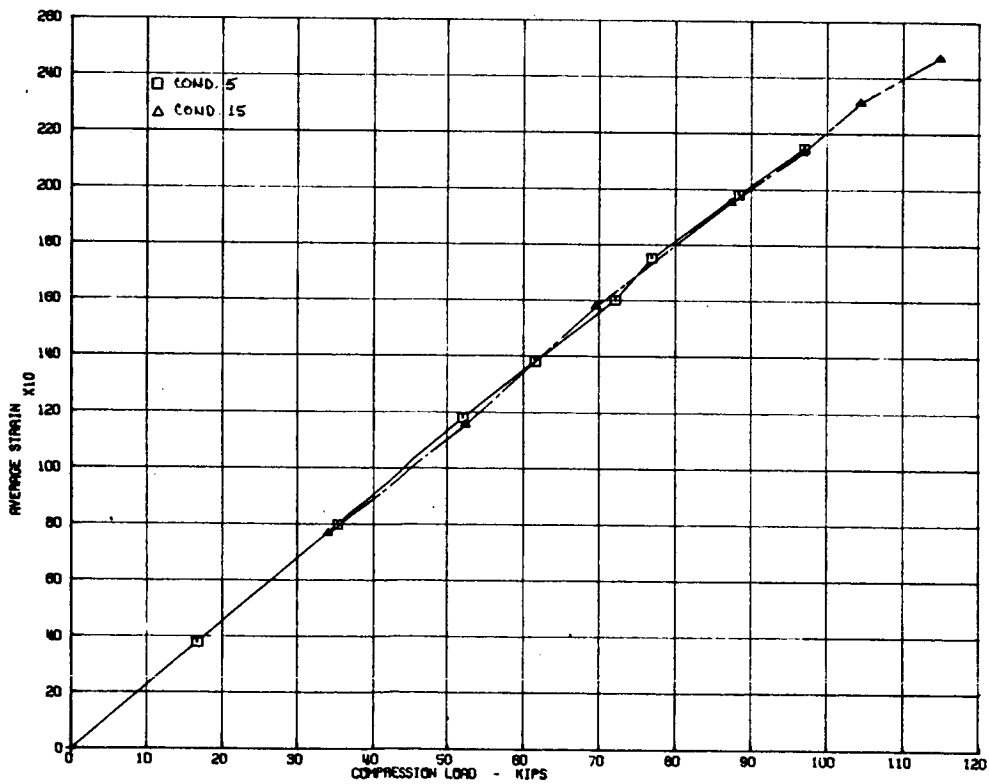


Figure A2-50: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 - CONDITION 5 AND 15

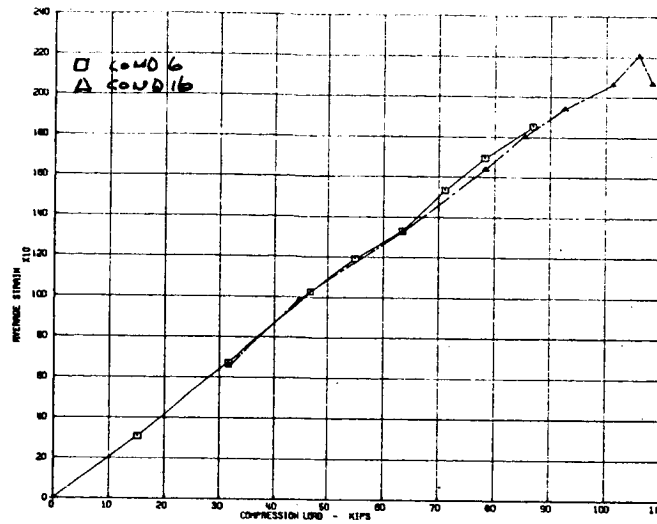


Figure A2-51: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 – CONDITION 6 AND 16

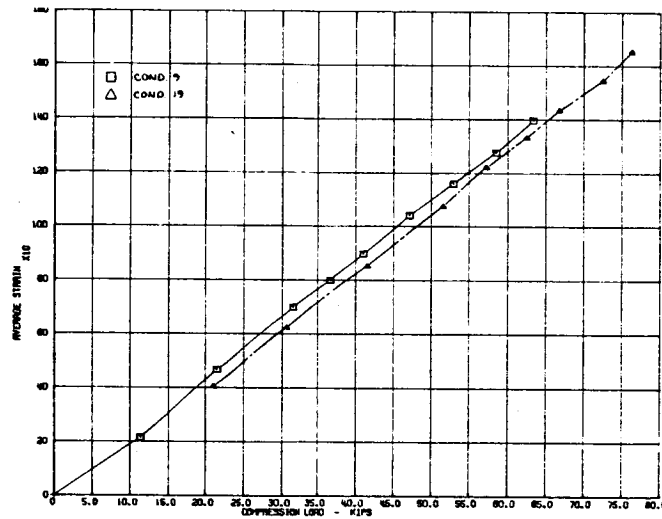


Figure A2-52: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 – CONDITION 9 AND 19

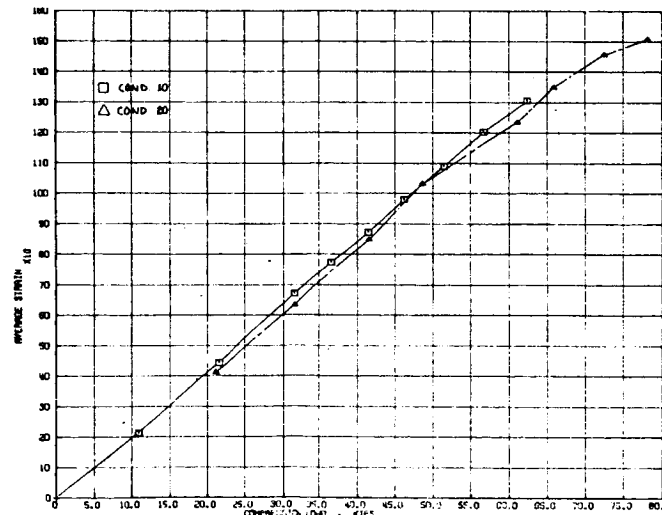


Figure A2-53: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-1 – CONDITION 10 AND 20

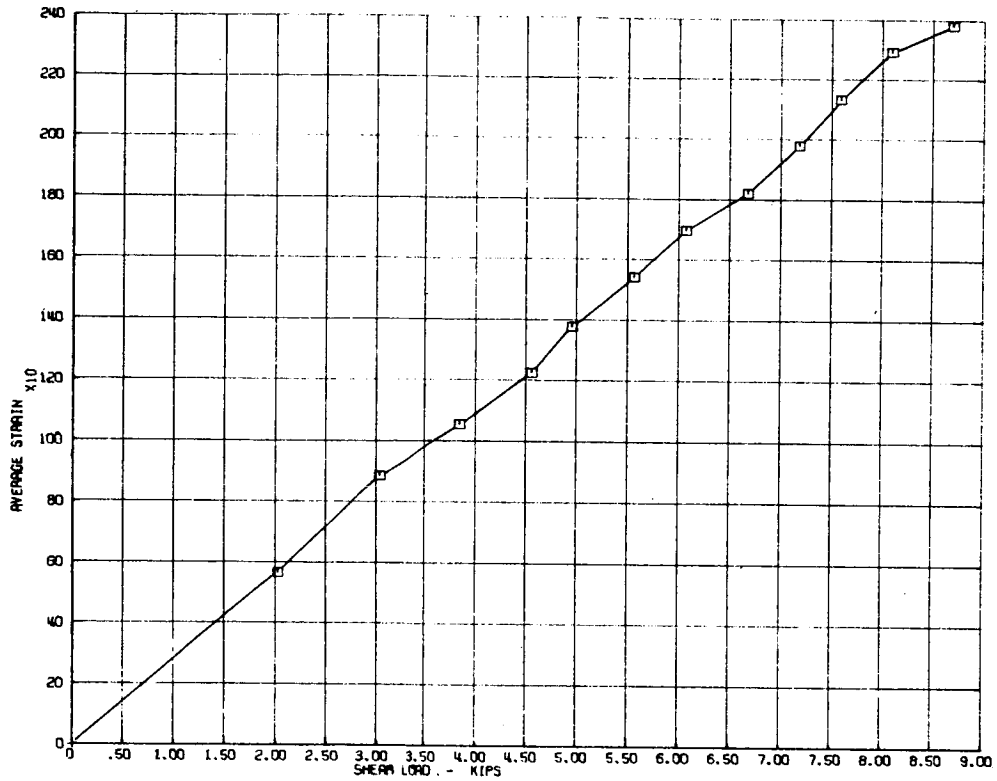


Figure A2-54 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 – CONDITION 2

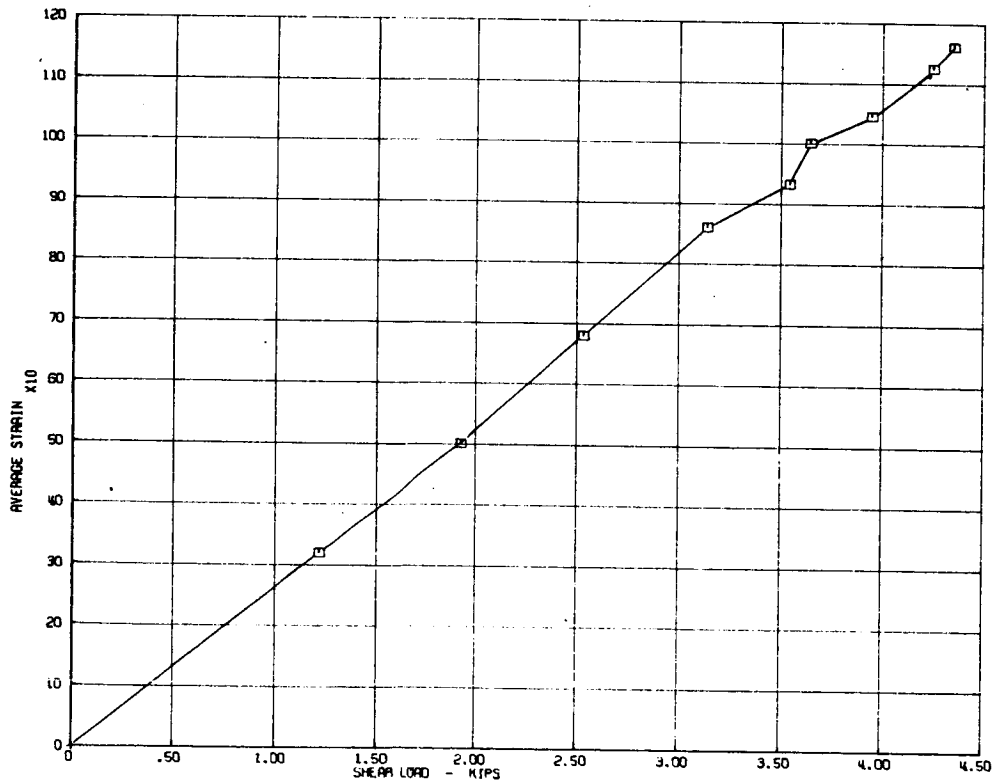


Figure A2-55 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 – CONDITION 13

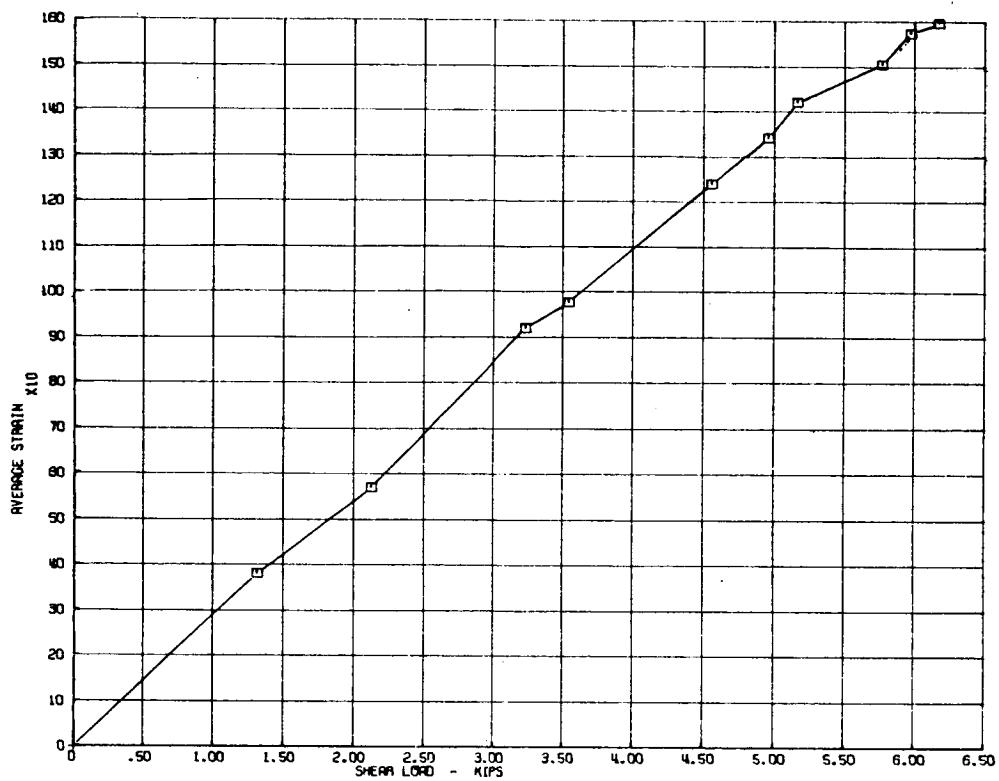


Figure A2-56 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 - CONDITION 14

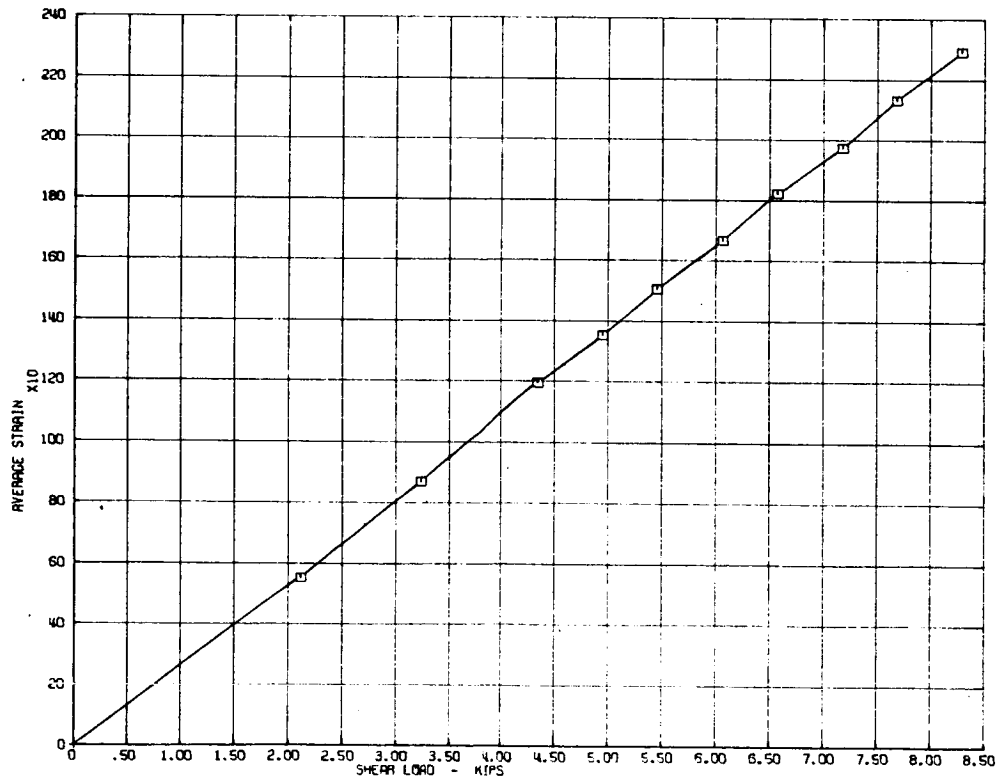


Figure A2-57 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 - CONDITION 17

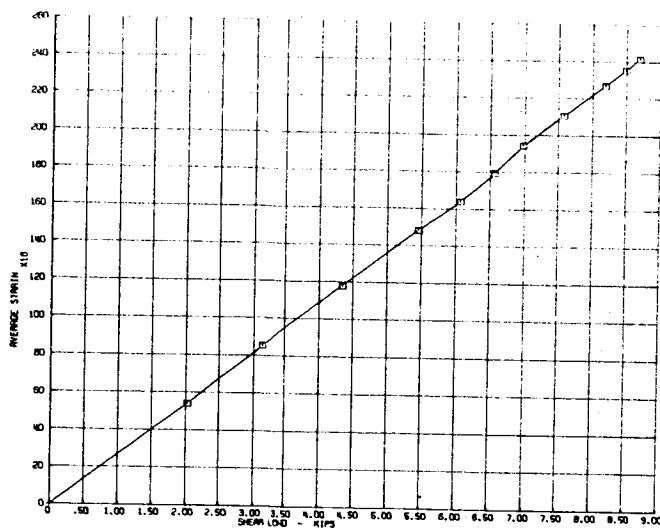


Figure A2-58: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 - CONDITION 18

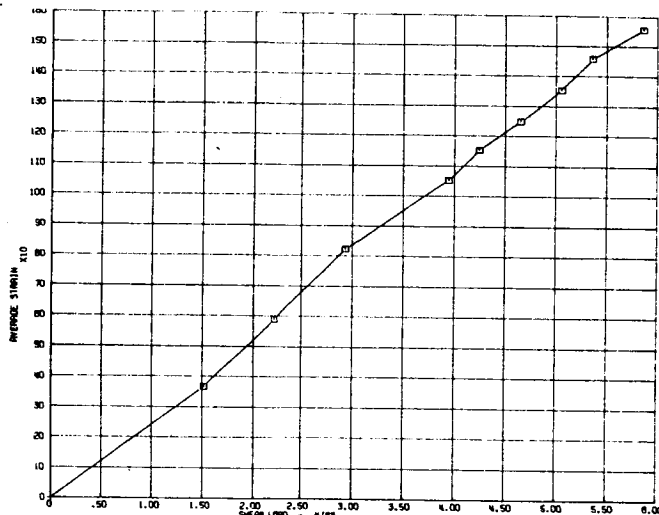


Figure A2-59: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 - CONDITION 19

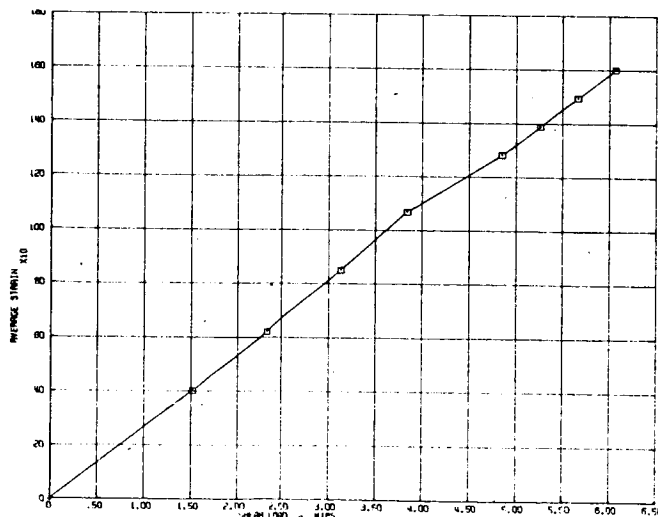


Figure A2-60: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-1 - CONDITION 20

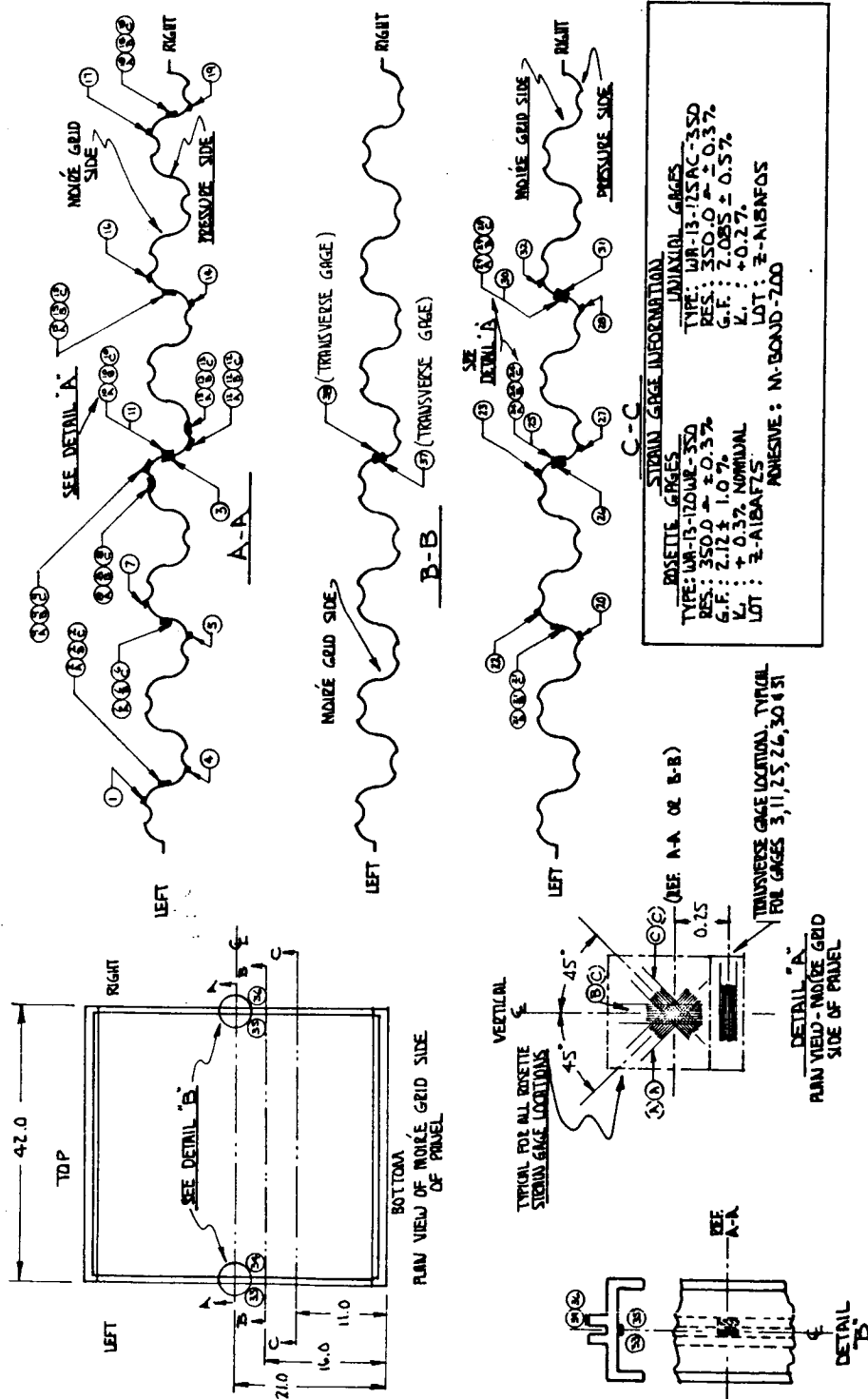


Figure A2-61: STRAIN GAGE INSTALLATION-PANEL NO. 1A-1-P-2

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UE X .1	SG15H UE X .1	SG15C UE X .1	SG15A UE X .1	SG15B UE X .1	SG15C UE X .1
14/10/45/04	RM +0.0000	+2.0154	-1.0664	-1.46275	+1.0833	-1.40051	-1.0570
14/10/47/20	RM +50.0000	-78.516	+0.02978	+81.306	-79.135	-1.40051	+79.146
14/10/50/09	RM +60.0000	-06.678	+0.02978	+94.856	-93.715	-1.0041	+95.670
14/10/52/44	RM +65.0000	-102.50	-1.46277	+102.37	-100.16	-1.0041	+101.17
14/10/56/48	RM +70.0000	-110.40	+0.52734	+109.90	-107.10	-1.0041	+109.49
14/10/59/49	RM +75.0000	-110.37	+1.5274	+115.92	-114.94	-4.4934	+118.20
14/11/02/54	RM +80.0000	-120.75	+2.0240	+123.46	-122.47	-1.0041	+127.91
14/11/06/48	RM +85.0000	-119.60	+1.0151	+129.97	-129.41	-1.0051	+136.22
14/11/10/29	RM +88.0000	-144.53	+2.5175	+130.97	-130.90	-2.0056	+138.73
14/11/11/49	RM +88.0000	-148.98	+3.5170	+131.47	-134.87	-2.4965	+143.23
14/11/13/38	RM +90.0000	-157.86	+4.0190	+132.94	-134.34	-2.4965	+148.74
14/11/16/55	RM +92.0000	-205.22	+19.900	+111.40	-152.92	-2.0056	+145.74
14/11/23/12	RM +0.0000	-1.46434	+0.02978	+1.0268	+0.97169	+0.9987	+0.53125
ECP							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG21A UE X .1	SG21H UE X .1	SG21C UE X .1			
14/10/45/04	RM +0.0000	-1.46472	-0.99511	+1.4002			
14/10/47/20	RM +50.0000	-78.584	-2.4437	+80.019			
14/10/50/09	RM +60.0000	-03.011	-3.4479	+106.42			
14/10/52/44	RM +65.0000	-27.988	-3.9404	+114.38			
14/10/56/48	RM +70.0000	-104.95	-3.9404	+125.82			
14/10/59/49	RM +75.0000	-108.93	-4.9755	+138.75			
14/11/02/54	RM +80.0000	-109.43	-4.4780	+155.16			
14/11/06/48	RM +85.0000	-103.46	-5.4771	+178.53			
14/11/10/29	RM +88.0000	-09.479	-5.9787	+185.90			
14/11/11/49	RM +88.0000	-02.018	-5.4771	+200.91			
14/11/13/38	RM +90.0000	-03.062	-5.4771	+214.83			
14/11/16/55	RM +92.0000	-73.118	-4.9755	+232.24			
14/11/23/12	RM +0.0000	+0.03027	+1.9902	+3.9746			
ECP							

Figure A2-62A: TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 22 (100 PERCENT LOAD = 11.2 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC31 UF X .1	SC32 UF X .1	SC37 UF X .1	SC34 UF X .1
14/10/45/04	CR +0.0000	+0.0000	-2.0004	+1.0083	+2.0332
14/10/47/24	CR +50.0000	+0.0102	+4.5003	+7.1244	-13.5200
14/10/50/13	CR +60.0000	+0.5000	+7.6772	+8.6533	-15.051
14/10/52/51	CR +65.0000	+1.0161	+7.6772	+8.6533	-16.023
14/10/54/47	CR +70.0000	+0.5000	+0.7172	+8.6533	-17.525
14/10/59/47	CR +75.0000	+0.0030	+11.247	+8.1445	-18.086
14/11/02/53	CR +80.0000	-0.5037	+13.247	+4.5630	-16.083
14/11/05/47	CR +85.0000	-0.5254	+11.247	-3.0249	-8.5126
14/11/10/28	CR +86.0000	-0.5361	+14.307	-8.0644	-4.9068
14/11/11/47	CR +88.0000	-0.0020	+14.307	-21.174	+7.6245
14/11/13/37	CR +90.0000	-0.2220	+12.777	-42.348	+27.096
14/11/16/59	CR +92.0000	-0.2030	-19.749	-75.118	+57.418
14/11/23/16	CR +0.0000	+0.5000	+0.5349	+1.5122	+1.0146
ECF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC31 UF X .1	SC34 UF X .1	SC35 UF X .1	SC36 UF X .1	D1 INCHES X1000	D2 INCHES X1000
14/10/45/00	CR +0.0000	-0.47367	+0.0000	+1.0424	+1.5586	-0.0138	+0.0000
14/10/47/24	CR +50.0000	-0.53609	-1.5307	+0.01271	+4.6010	+11.150	-380.70
14/10/50/13	CR +60.0000	+1.0101	-1.5307	+0.01271	+2.5708	+10.220	-422.99
14/10/52/51	CR +65.0000	+0.5062	-2.0400	-0.47216	-1.4897	+11.150	-440.75
14/10/54/47	CR +70.0000	+1.0101	-2.0400	-0.47216	-2.5008	+12.088	-460.11
14/10/59/47	CR +75.0000	+1.5544	-2.5512	-0.47216	-1.4897	+12.088	-490.76
14/11/02/53	CR +80.0000	+1.5544	-1.5307	-0.47216	+3.0786	+14.978	-523.61
14/11/06/47	CR +85.0000	+1.5544	-2.0400	-0.97705	-0.47460	+18.509	-550.80
14/11/10/28	CR +86.0000	+1.5544	-2.5512	-1.4800	-1.4897	+20.499	-562.84
14/11/11/47	CR +88.0000	+0.0020	-2.5512	-0.47216	-1.4897	+22.319	-570.93
14/11/13/37	CR +90.0000	+1.5544	-3.0615	-0.97705	-1.4897	+30.687	-589.00
14/11/16/59	CR +92.0000	+0.0020	-3.5717	-0.47216	-2.5008	+47.424	-597.88
14/11/23/16	CR +0.0000	-0.9758	-0.51075	+1.0424	+1.0483	+0.0000	-0.7817
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC2A UF X .1	SC2H UF X .1	SC2F UF X .1	SC64 UF X .1	SC60 UF X .1	SC6F UF X .1
14/10/45/04	CR +0.0000	+1.0205	+1.9041	*****	-4.4428	-1.4080	+1.0100
14/10/47/20	CR +50.0000	-0.9461	-1.4083	*****	-87.765	+6.5317	+77.057
14/10/50/00	CR +60.0000	-0.1085	+1.9041	*****	-110.07	+8.5415	+84.597
14/10/52/44	CR +65.0000	-0.7647	+1.9041	*****	-118.90	+9.5461	+93.597
14/10/56/48	CR +70.0000	-1.0430	+2.4046	*****	-120.41	+11.063	+99.057
14/10/59/49	CR +75.0000	-1.1126	+2.9042	*****	-140.10	+12.088	+109.82
14/11/02/54	CR +80.0000	-1.1679	+3.4007	*****	-154.67	+14.570	+103.02
14/11/06/48	CR +85.0000	-1.1821	+5.5185	*****	-180.48	+17.585	+98.057
14/11/10/29	CR +86.0000	-1.1871	+5.5185	*****	-187.02	+18.500	+05.057
14/11/11/49	CR +88.0000	-1.1729	+7.4253	*****	-201.11	+10.504	+89.557
14/11/13/38	CR +90.0000	-1.1174	+0.5142	*****	-215.19	+20.600	+83.597
14/11/16/55	CR +92.0000	-1.0135	+14.549	*****	-231.54	+21.604	+73.597
14/11/23/12	CR +0.0000	+0.0571	+2.9042	*****	-5.0481	+0.0053	+0.5343
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC8A UF X .1	SC8R UF X .1	SC8F UF X .1	SC13A UF X .1	SC13H UF X .1	SC13C UF X .1
14/10/45/04	CR +0.0000	+1.0261	-0.97216	+1.40755	-1.4077	-1.0041	+0.0949
14/10/47/20	CR +50.0000	-0.6550	-3.4771	+88.000	-76.846	+5.5078	+90.161
14/10/50/00	CR +60.0000	-0.341	-4.4771	+100.000	-90.740	+6.5000	+107.48
14/10/52/44	CR +65.0000	-0.3834	-5.4771	+113.50	-95.609	+6.5000	+119.49
14/10/56/48	CR +70.0000	-0.825	-5.9771	+123.50	-102.14	+8.0117	+125.21
14/10/59/49	CR +75.0000	-0.411	-7.0771	+133.50	-109.98	+7.5107	+134.72
14/11/02/54	CR +80.0000	-1.0741	-10.472	+144.50	-115.83	+9.5122	+144.74
14/11/06/48	CR +85.0000	-1.0611	-14.972	+158.50	-120.98	+8.0117	+154.25
14/11/10/29	CR +86.0000	-1.0441	-17.472	+162.50	-121.97	+7.5107	+173.76
14/11/11/49	CR +88.0000	-0.6326	-21.472	+170.50	-121.96	+6.5092	+105.76
14/11/13/38	CR +90.0000	-0.6341	-28.472	+181.00	-123.96	+7.0107	+166.77
14/11/16/55	CR +92.0000	-0.848	-35.472	+197.50	-122.47	+17.525	+170.97
14/11/23/12	CR +0.0000	+1.0261	+1.0312	+3.4620	-1.4877	+1.0041	+0.9219
ECF							

Figure A2-62B : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 22 (Continued)

TIME IN DAY/HR/MM/SEC	PER CENT LOAD	SC30 UF X .1	SC31 UF X .1	R6 KIPS/UF	D1 INCHES X1000	R2 KIPS/INCHES X1000
14/10/45/01	RM +0.0000	+1.0668	+2.0146	+0.0000	-4.5746	+0.0000
14/10/47/27	RM +50.0000	-0.9314	+2.0146	+190.94	+0.4295	+6.1506
14/10/50/16	RM +60.0000	+5.5662	+2.0146	+456.44	+7.4754	+9.0361
14/10/52/52	RM +65.0000	+0.0668	+1.5122	+1326.9	+7.4754	+9.8487
14/10/56/44	RM +70.0000	+5.5662	+5.5030	+2047.9	+8.4021	+9.3508
14/10/59/51	RM +75.0000	+7.0668	+5.5030	+541.89	+9.3295	+9.8711
14/11/02/58	RM +80.0000	+1.5566	+5.5030	+842.85	+13.037	+6.8006
14/11/06/50	RM +85.0000	+7.0668	-2.0146	+234.56	+16.745	+5.7107
14/11/10/25	RM +86.0000	+7.5664	-1.0093	+210.20	+16.745	+5.7882
14/11/11/51	RM +88.0000	+0.1878	-6.5941	+67.714	+20.453	+4.8788
14/11/13/34	RM +90.0000	+20.427	-21.174	+24.478	+26.442	+3.7702
14/11/17/02	RM +92.0000	+35.68	-128.55	+13.0204	+44.555	+2.3305
14/11/23/11	RM +0.0000	-4.8339	+1.0093	+13.649	-4.5746	+4.4402
EEF						

TIME IN DAY/HR/MM/SEC	PER CENT LOAD	SC1 UF X .1	SC3 UF X .1	SC4 UF X .1	SC5 UF X .1	SC7 UF X .1	SC77 UF X .1
14/10/45/06	RM +0.0000	+2.0302	+5.50476	-0.99218	-2.5258	+5.5955	+7.0361
14/10/47/24	RM +50.0000	+6.6070	+0.0000	+7.1889	-2.0205	+11.490	+0.0000
14/10/50/13	RM +60.0000	+7.0596	-5.5105	+9.7475	-5.5566	+18.208	-5.5042
14/10/52/51	RM +65.0000	+6.5513	+0.0000	+11.794	-7.5771	+21.856	-5.5097
14/10/56/47	RM +70.0000	+6.0030	-5.5105	+15.376	-11.610	+27.956	-1.0180
14/10/59/47	RM +75.0000	+7.5581	+5.50476	+18.446	-19.194	+37.614	-2.0214
14/11/02/53	RM +80.0000	+5.5039	+1.0200	+25.563	-30.612	+51.844	+3.0381
14/11/06/47	RM +85.0000	-6.0756	+1.5207	+31.751	-52.533	+77.770	-5.0585
14/11/10/28	RM +86.0000	-0.1218	+2.5408	+33.798	-60.110	+85.002	-6.0703
14/11/11/47	RM +88.0000	-12.680	+5.1000	+38.915	-75.769	+104.20	-7.0850
14/11/13/37	RM +90.0000	-19.799	+8.6009	+45.056	-89.012	+121.99	-9.1084
14/11/16/59	RM +92.0000	-14.007	+16.560	+57.849	-112.64	+147.00	-17.109
14/11/23/16	RM +0.0000	+2.5415	+5.50476	+1.5600	+5.5048	+2.5292	+2.0361
EEF							

TIME IN DAY/HR/MM/SEC	PER CENT LOAD	SC14 UF X .1	SC16 UF X .1	SC17 UF X .1	SC19 UF X .1	SC20 UF X .1	SC22 UF X .1
14/10/45/06	RM +0.0000	-1.4921	-1.9001	-1.0136	-1.0117	-1.5070	-2.5122
14/10/47/24	RM +50.0000	+7.5434	-1.4708	-1.5205	-1.0117	-3.5109	+3.0664
14/10/50/13	RM +60.0000	+7.5034	-3.9840	-1.5205	-1.5055	-5.0688	+3.6005
14/10/52/51	RM +65.0000	+4.0017	-3.9840	-1.0136	-1.5055	-5.5761	+3.0664
14/10/56/47	RM +70.0000	+4.0017	-1.4902	-3.0010	+0.0000	-8.0668	+2.0007
14/10/59/47	RM +75.0000	+4.0017	-1.4902	-4.0546	+0.0000	-4.0487	-1.0040
14/11/02/53	RM +80.0000	+7.0751	-3.9840	-5.5751	+5.5055	-5.0937	-7.9346
14/11/06/47	RM +85.0000	+7.5668	+0.0250	-7.6025	+5.5055	+2.0652	-19.002
14/11/10/28	RM +86.0000	+0.0239	+1.0400	-7.0457	-2.0234	+3.5061	+23.014
14/11/11/47	RM +88.0000	-2.5030	+1.5473	-8.1093	+1.0117	+8.1860	+3.1611
14/11/13/37	RM +90.0000	-12.115	+4.5543	-6.5888	-2.0234	+11.754	-42.205
14/11/16/59	RM +92.0000	-80.406	+51.265	+2.5415	-6.5761	+16.896	-56.273
14/11/23/16	RM +0.0000	+6.0571	+2.0540	+1.0366	+1.0117	+1.5561	+0.0000
EEF							

TIME IN DAY/HR/MM/SEC	PER CENT LOAD	SC23 UF X .1	SC25 UF X .1	SC26 UF X .1	SC27 UF X .1	SC28 UF X .1	SC34 UF X .1
14/10/45/06	RM +0.0000	-1.5205	+2.0176	+0.0000	-3.0087	-3.0351	+1.5507
14/10/47/24	RM +50.0000	-0.1238	+2.0176	-4.5307	+12.733	-5.0030	+1.0449
14/10/50/13	RM +60.0000	-1.150	+4.0722	-6.0410	+14.767	+1.0166	+0.0265
14/10/52/51	RM +65.0000	-11.657	+5.5001	-7.0478	+16.291	+1.5249	+5.5364
14/10/56/47	RM +70.0000	-13.177	+8.6433	-10.068	+18.433	+2.0332	+1.0489
14/10/59/47	RM +75.0000	-15.711	+13.763	-15.102	+21.883	+2.5415	+2.5717
14/11/02/53	RM +80.0000	-19.764	+19.852	-23.157	+27.082	+4.0664	+2.0629
14/11/06/47	RM +85.0000	-26.862	+27.868	-41.783	+36.624	+5.5013	+2.9717
14/11/10/28	RM +86.0000	-30.916	+44.704	-46.528	+40.182	+6.0904	+3.9808
14/11/11/47	RM +88.0000	-38.100	+64.128	-69.975	+47.086	+11.800	+7.1523
14/11/13/37	RM +90.0000	-52.204	+94.170	-104.20	+62.039	+20.332	+21.406
14/11/16/59	RM +92.0000	-77.545	+123.72	-160.65	+89.487	+69.637	+134.41
14/11/23/16	RM +0.0000	+1.0166	+3.0541	-1.5102	+1.0380	+0.0000	+0.0265
EEF							

Figure A2-62C : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 22 (Continued)

TIME IN DAY/HH/MIN/SEC	PER CENT LOAD	SC24A UF X .1	SC24B UF X .1	SC24C UF X .1	RP KIPS/UF
14/10/45/00	GR +0.0000	-1.97413	-2.4704	+5.57832	-27.044
14/10/47/28	GR +50.000	-0.1280	+0.0000	+85.446	+23.646
14/10/50/17	GR +60.000	-05.172	+5.0000	+102.52	+20.421
14/10/52/49	GR +65.000	-100.62	-5.0000	+109.06	+10.063
14/10/54/42	GR +70.000	-107.07	-5.0000	+110.61	+17.482
14/10/50/44	GR +75.000	-112.03	+1.0004	+120.15	+16.764
14/11/02/57	GR +80.000	-115.50	+1.0004	+141.71	+15.691
14/11/04/52	GR +85.000	-118.51	+1.0003	+157.70	+15.198
14/11/10/33	GR +86.000	-110.54	+1.5000	+161.42	+15.138
14/11/11/46	GR +88.000	-101.61	+5.0003	+178.38	+14.092
14/11/13/41	GR +90.000	-04.264	+8.0117	+194.97	+15.523
14/11/17/04	GR +92.000	-25.001	+13.511	+224.12	+17.722
14/11/23/08	GR +0.0000	-1.97413	+1.0004	+4.0112	-14.791
ECF					

TIME IN DAY/HH/MIN/SEC	PER CENT LOAD	SC20A UF X .1	SC20B UF X .1	SC20C UF X .1	RP KIPS/UF
14/10/45/00	GR +0.0000	+0.1074	-1.9576	-1.4990	-34.363
14/10/47/28	GR +50.000	-00.458	+1.0244	+86.209	+23.863
14/10/50/17	GR +60.000	-05.390	+1.5105	+101.83	+20.710
14/10/52/49	GR +65.000	-101.32	+1.5105	+109.40	+19.171
14/10/54/42	GR +70.000	-100.74	+1.5105	+117.46	+17.601
14/10/50/44	GR +75.000	-117.22	+2.0265	+127.04	+16.442
14/11/02/57	GR +80.000	-125.16	+1.0151	+135.11	+15.410
14/11/04/52	GR +85.000	-132.62	+2.5175	+145.00	+14.336
14/11/10/33	GR +86.000	-134.11	+1.5105	+147.71	+14.213
14/11/11/46	GR +88.000	-135.60	+2.5175	+154.27	+13.625
14/11/13/41	GR +90.000	-132.12	+2.5175	+165.34	+13.330
14/11/17/04	GR +92.000	-78.464	+1.0151	+232.41	+12.543
14/11/23/08	GR +0.0000	-1.46522	+0.3076	+1.4975	-19.613
ECF					

TIME IN DAY/HH/MIN/SEC	PER CENT LOAD	SC04 UF X .1	SG12H UF X .1	H1 KIPS/UF	SC3 UF X .1	SG11 UF X .1	H3 KIPS/UF
14/10/45/00	GR +0.0000	-7.9672	+0.0000	+0.0000	+1.0260	+5.1171	+0.0000
14/10/47/27	GR +50.000	-1.4653	+3.4007	+72.243	-5.1367	-2.0448	+3.4004
14/10/50/16	GR +60.000	-7.4038	+2.9002	+70.696	-5.1367	-2.5905	+3.0014
14/10/52/52	GR +64.000	-1.4658	+1.4007	+82.205	+5.1318	-2.5905	+2.0001
14/10/54/44	GR +70.000	-1.4043	+2.4006	+105.46	-5.1367	-3.0703	+3.0762
14/10/50/51	GR +75.000	-1.4653	+1.4007	+155.05	-1.0260	-4.0917	+2.0016
14/11/02/58	GR +80.000	-1.4710	-1.4006	+80.15	+1.0200	-5.5644	+1.4001
14/11/04/50	GR +85.000	+0.0000	-8.4700	+54.627	+1.5400	-7.5070	+10.493
14/11/10/25	GR +86.000	+3.5274	-10.941	+10.440	+2.5668	-8.0017	+0.0000
14/11/11/51	GR +88.000	+74.110	-18.944	+23.184	+5.6674	-10.117	+8.5018
14/11/13/34	GR +90.000	+1.670	-31.906	+13.840	+0.7200	-12.140	+44.790
14/11/17/02	GR +92.000	+70.290	-67.806	+7.1567	+10.403	-19.222	+27.542
14/11/23/11	GR +0.0000	-1.4710	+3.4007	+5.1401	-5.1367	+5.1171	+10.856
ECF							

TIME IN DAY/HH/MIN/SEC	PER CENT LOAD	SC37 UF X .1	SG3R UF X .1	H4 KIPS/UF	SC25 UF X .1	SG24 UF X .1	R5 KIPS/UF
14/10/45/00	GR +0.0000	+7.0000	+1.0146	+0.0000	+5.0000	-5.0000	+0.0000
14/10/47/27	GR +50.000	+6.6070	-14.000	+27.859	+0.0000	-2.5200	+22.752
14/10/50/16	GR +60.000	+7.6245	-17.004	+27.405	+1.0000	-6.0000	+74.000
14/10/52/52	GR +65.000	+0.1320	-18.006	+28.136	+5.6000	-6.5000	+72.010
14/10/54/44	GR +70.000	+0.1320	-19.007	+20.054	+1.1201	-10.102	+48.470
14/10/50/51	GR +75.000	+7.1162	-19.007	+32.394	+1.6000	-14.600	+34.700
14/11/02/58	GR +80.000	+5.5913	-17.505	+38.382	+1.6000	-22.205	+21.600
14/11/04/50	GR +85.000	-1.5463	-10.004	+175.16	+10.210	-40.005	+12.100
14/11/10/25	GR +86.000	-0.5074	-6.5007	+465.80	+27.640	-48.007	+10.530
14/11/11/51	GR +88.000	-21.720	+6.5952	+35.251	+13.241	-70.202	+12.470
14/11/13/34	GR +90.000	-13.440	+26.300	+14.504	+01.801	-104.05	+5.1000
14/11/17/02	GR +92.000	-76.770	+55.405	+7.8320	+51.501	-170.03	+3.2026
14/11/23/11	GR +0.0000	+1.0102	-50.712	+13.416	+0.0000	-1.5100	+13.434
ECF							

Figure A2-62D : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 22 (Continued)

TIME IN DAY/HH/MM/SS	PER CENT LRAH	LOC1 KIPS	LOC2 KIPS	LOC3 KIPS	LOC4 KIPS
14/10/45/00	CR +0.000	+47.005	+0.0000	-1.0677	+1.2817
14/10/47/28	CR +50.000	-0.6454	-1.47/85	+5.6528	+1.2817
14/10/50/17	CR +60.000	+47.005	+0.0000	+6.8627	+1.2817
14/10/52/49	CR +65.000	+6.0000	+0.0000	+7.2681	+1.0223
14/10/56/52	CR +70.000	+5.0000	-1.4775	+7.7700	+1.2817
14/10/59/46	CR +75.000	+0.6454	+0.0000	+8.3750	+1.2817
14/11/02/57	CR +80.000	+47.005	+0.0000	+8.8793	+1.2817
14/11/06/52	CR +85.000	+0.0000	-1.47/85	+9.4643	+1.0223
14/11/10/33	CR +86.000	+0.0000	-1.4775	+9.6660	+1.0223
14/11/11/46	CR +88.000	-1.4775	-1.4775	+9.7666	+1.2817
14/11/13/41	CR +90.000	+0.0000	+0.0000	+10.0690	+1.2817
14/11/17/04	CR +92.000	+0.0000	+0.0000	+10.341	+1.2817
14/11/23/08	CR +0.0000	+7.0000	+0.0000	+1.0721	+6.6062
END					
TIME IN DAY/HH/MM/SS	PER CENT LRAH	LOC1 KIPS	LOC2 KIPS	LOC3 KIPS	LOC4 KIPS
14/10/45/00	CR +0.000	-1.40600	-1.90445	+0.02632	-151.80
14/10/47/28	CR +50.000	-0.423	-1.4786	+8.148	+240.83
14/10/50/17	CR +60.000	-0.114	-1.4786	+6.640	+205.46
14/10/52/49	CR +65.000	-0.264	-1.4786	+10.17	+190.88
14/10/56/52	CR +70.000	-11.07	-2.9469	+110.18	+174.38
14/10/59/46	CR +75.000	-10.58	-1.4467	+118.70	+164.69
14/11/02/57	CR +80.000	-125.45	+1.0473	+128.21	+162.48
14/11/06/52	CR +85.000	-128.92	+11.017	+130.23	+184.62
14/11/10/33	CR +86.000	-128.42	+15.051	+142.73	+201.79
14/11/11/46	CR +88.000	-125.94	+26.008	+149.74	+208.36
14/11/13/41	CR +90.000	-119.08	+41.648	+159.76	+648.63
14/11/17/04	CR +92.000	-05.690	+41.778	+178.28	-279.17
14/11/23/08	CR +0.0000	-1.40600	+0.0045	+3.0136	-83.398
END					
TIME IN DAY/HH/MM/SS	PER CENT LRAH	LOC1 KIPS	LOC2 KIPS	LOC3 KIPS	LOC4 KIPS
14/10/45/00	CR +0.0000	+5.20888	-1.50880	+0.02680	-44.869
14/10/47/28	CR +50.000	-75.005	-5.20881	+61.237	+30.441
14/10/50/17	CR +60.000	-76.482	-6.9488	+71.773	+32.888
14/10/52/49	CR +65.000	-06.457	-7.4374	+76.288	+31.064
14/10/56/52	CR +70.000	-07.613	-7.4375	+82.611	+28.419
14/10/59/46	CR +75.000	-01.375	-8.4206	+87.628	+27.176
14/11/02/57	CR +80.000	-09.336	-7.9475	+93.648	+25.703
14/11/06/52	CR +85.000	-05.79	-7.4479	+99.680	+24.887
14/11/10/33	CR +86.000	-07.78	-6.4462	+102.37	+24.200
14/11/11/46	CR +88.000	-110.26	-5.9001	+104.38	+23.667
14/11/13/41	CR +90.000	-114.24	-4.0584	+108.30	+22.709
14/11/17/04	CR +92.000	-118.71	-3.0000	+111.91	+22.201
14/11/23/08	CR +0.0000	+0.02880	+1.0000	+3.5410	-30.394
END					
TIME IN DAY/HH/MM/SS	PER CENT LRAH	LOC1 KIPS	LOC2 KIPS	LOC3 KIPS	LOC4 KIPS
14/10/45/00	CR +0.0000	-1.6633	-2.0684	-1.4614	-50.648
14/10/47/28	CR +50.000	-86.246	+2.0259	+77.202	+341.80
14/10/50/17	CR +60.000	-105.46	-1.46972	+90.638	+224.73
14/10/52/49	CR +65.000	-110.42	+0.02880	+95.855	+213.10
14/10/56/52	CR +70.000	-120.87	-0.6686	+102.87	+189.31
14/10/59/46	CR +75.000	-132.32	-2.4676	+107.80	+157.93
14/11/02/57	CR +80.000	-146.29	-4.0585	+111.91	+133.98
14/11/06/52	CR +85.000	-160.66	-11.477	+110.90	+107.91
14/11/10/33	CR +86.000	-178.68	-14.476	+108.80	+101.17
14/11/11/46	CR +88.000	-196.50	-21.066	+101.87	+65.687
14/11/13/41	CR +90.000	-211.33	-12.567	+88.323	+68.842
14/11/17/04	CR +92.000	-201.94	-68.764	+44.681	+48.416
14/11/23/08	CR +0.0000	-1.0014	+0.2774	+1.5145	-157.23
END					

Figure A2-62E :TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 22 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG1A UF X .1	SG1H UF X .1	SG1C UF X .1	SG1A UF X .1	SG1H UF X .1	SG1C UF X .1
14/12/26/15	CR +0.0000	+7.034A	+2.546A	+4.90511	+1.0000	+1.0041	+1.0243
14/12/30/01	CR +0.0000	+1.0263	+4.714	+49.500	-73.285	-76.801	-73.285
14/12/34/54	CR +50.0000	-1.47670	-23.472	+111.00	-177.01	-120.14	-54.311
14/12/38/03	CR +60.0000	-1.2953	-10.472	+121.50	-194.85	-134.10	-52.845
14/12/40/46	CR +65.0000	-1.4547	-40.472	+125.00	-204.27	-145.07	-44.311
14/12/43/26	CR +70.0000	-1.1440	-54.472	+120.50	-214.19	-151.55	-54.809
14/12/46/09	CR +75.0000	-1.0534	-61.472	+134.50	-228.58	-150.53	-44.311
14/12/48/34	CR +80.0000	-1.0420	-67.472	+141.50	-233.99	-165.01	-54.311
14/12/54/12	CR +85.0000	-1.0424	-70.472	+150.50	-251.89	-160.00	-54.809
14/13/03/36	CR +88.0000	-1.0430	-83.472	+157.50	-252.82	-160.90	-45.308
14/13/06/01	CR +90.0000	-1.2433	-88.472	+165.00	-264.78	-161.51	-50.803
14/13/08/24	CR +92.0000	-1.2454	-96.472	+173.50	-268.76	-151.05	-54.809
14/13/11/34	CR +94.0000	-1.0517	-105.47	+180.00	-252.32	-185.68	-46.344
14/13/13/41	CR +95.0000	-1.0501	-110.47	+195.50	-251.40	-181.261	-55.865
14/13/15/17	CR +96.0000	-1.2137	-113.47	+205.00	-231.04	-185.865	-70.909
14/13/24/51 CFE	CR +0.0000	-1.4087	+8.5462	-8.4484	+111.00	+147.21	+142.23

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG1A UF X .1	SG1H UF X .1	SG1C UF X .1	SG1A UF X .1	SG1H UF X .1	SG1C UF X .1
14/12/26/15	CR +0.0000	+7.034A	+1.0274	-1.4675	+3.0663	+4.90853	-1.0570
14/12/30/01	CR +0.0000	-1.4248	+3.5146	-1.4590	+10.463	+7.0478	+1.0306
14/12/34/54	CR +50.0000	-1.7144	-79.082	+23.108	-68.427	-66.402	+33.579
14/12/38/03	CR +60.0000	-1.0901	-94.506	+26.118	-82.807	-81.380	+19.508
14/12/40/46	CR +65.0000	-1.1441	-102.40	+26.118	-87.765	-88.860	+19.508
14/12/43/26	CR +70.0000	-1.2520	-111.42	+27.122	-94.707	-96.358	+42.001
14/12/46/09	CR +75.0000	-1.3545	-118.08	+28.125	-101.64	-103.84	+44.505
14/12/48/34	CR +80.0000	-1.4451	-126.75	+29.128	-109.08	-111.33	+49.102
14/12/54/12	CR +85.0000	-1.5884	-134.00	+27.624	-114.02	-118.82	+51.605
14/13/03/36	CR +88.0000	-1.6970	-138.79	+25.115	-117.50	-124.31	+56.112
14/13/06/01	CR +90.0000	-1.7957	-141.77	+21.101	-121.97	-127.31	+57.614
14/13/08/24	CR +92.0000	-1.0733	-147.74	+11.067	-124.45	-120.31	+61.690
14/13/11/34	CR +94.0000	-1.2040	-158.49	-14.427	-121.46	-132.80	+60.680
14/13/13/41	CR +95.0000	-1.5604	-165.15	-37.300	-122.47	-134.30	+74.699
14/13/15/17	CR +96.0000	-1.6713	-171.42	-68.768	-113.01	-134.80	+64.694
14/13/24/51 CFE	CR +0.0000	+16.211	+35.440	+134.08	-11.000	+10.068	+14.008

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG21A UF X .1	SG21H UF X .1	SG21C UF X .1
14/12/26/15	CR +0.0000	+7.0302	+1.6462	+1.0873
14/12/30/01	CR +0.0000	-0.6257	+5.0073	+13.427
14/12/34/54	CR +50.0000	-0.7491	-76.644	+45.752
14/12/38/03	CR +60.0000	-1.1448	-93.043	+51.720
14/12/40/46	CR +65.0000	-1.2417	-102.49	+53.212
14/12/43/26	CR +70.0000	-1.2943	-111.05	+56.106
14/12/46/09	CR +75.0000	-1.3820	-121.40	+60.174
14/12/48/34	CR +80.0000	-1.4624	-128.86	+65.147
14/12/54/12	CR +85.0000	-1.5371	-137.02	+71.813
14/13/03/36	CR +88.0000	-1.6179	-142.79	+77.1584
14/13/06/01	CR +90.0000	-1.5760	-146.77	+82.056
14/13/08/24	CR +92.0000	-1.5710	-150.76	+88.024
14/13/11/34	CR +94.0000	-1.6421	-155.73	+96.976
14/13/13/41	CR +95.0000	-1.5972	-157.72	+104.43
14/13/15/17	CR +96.0000	-1.6073	-160.71	+114.38
14/13/24/51 CFE	CR +0.0000	+70.530	+47.549	+14.519

Figure A2-63A: TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 20 (100 PERCENT LOAD = 75.2 KIPS)

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG31 UF X .1	SG32 UF X .1	SG37 UF X .1	SG39 UF X .1
14/12/26/14	GR +0.0000	+0.0000	-1.47308	+0.0000	+1.0166
14/12/30/05	GR +0.0000	+1.5608	+33.177	+0.6713	-0.0131
14/12/34/53	GR +50.000	+27.030	-0.144	+4.466	-5.0073
14/12/38/02	GR +60.000	+24.050	-6.368	+5.156	-5.5083
14/12/40/45	GR +65.000	+9.070	-74.994	+71.264	-4.5068
14/12/43/25	GR +70.000	+28.050	-84.614	+76.354	-4.0058
14/12/46/14	GR +75.000	+26.520	-93.707	+80.936	-3.5043
14/12/48/32	GR +80.000	+22.050	-102.35	+84.400	-2.9029
14/12/54/11	GR +85.000	+15.010	-110.07	+85.517	+3.5581
14/13/03/34	GR +88.000	+0.1001	-118.07	+77.681	+3.215
14/13/06/59	GR +90.000	+1.5151	-123.13	+67.701	+25.415
14/13/08/22	GR +92.000	-0.102	-130.23	+45.812	+44.763
14/13/11/33	GR +94.000	-27.782	-145.04	+25.451	+69.637
14/13/13/48	GR +95.000	-24.090	-156.67	+0.6533	+80.411
14/13/15/20	GR +96.000	-13.088	-164.69	-8.5541	+100.64
14/13/24/50	GR +0.0000	-0.0022	+4.5883	-149.22	+2.5415
ECF					

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG33 UF X .1	SG34 UF X .1	SG35 UF X .1	SG36 UF X .1	D1 INCHES X1000	D3 INCHES X1000
14/12/26/14	GR +0.0000	-1.47157	+5.1075	+2.0581	+2.5708	-1.8427	-1.0155
14/12/30/05	GR +0.0000	-1.47167	+5.1074	-4.5112	+1.0786	+180.94	-1.9565
14/12/34/53	GR +50.000	-0.057	-4.006	-62.572	-46.807	+134.83	-194.65
14/12/38/02	GR +60.000	-70.044	-84.202	-74.689	-68.488	+130.48	-219.17
14/12/40/45	GR +65.000	-77.606	-71.065	-79.233	-74.071	+142.27	-220.60
14/12/43/25	GR +70.000	-63.654	-78.064	-86.302	-90.162	+148.78	-230.42
14/12/46/14	GR +75.000	-68.607	-84.101	-90.646	-86.761	+150.64	-254.09
14/12/48/32	GR +80.000	-64.747	-94.804	-97.914	-92.144	+158.22	-270.86
14/12/54/11	GR +85.000	-100.79	-97.417	-104.47	-97.419	+164.45	-278.03
14/13/03/34	GR +88.000	-104.32	-98.909	-108.01	-100.97	+173.89	-303.45
14/13/06/59	GR +90.000	-107.84	-101.54	-118.03	+104.92	+181.10	-311.44
14/13/08/22	GR +92.000	-108.96	-105.11	-112.55	-106.45	+180.63	-319.33
14/13/11/33	GR +94.000	-111.98	-107.15	-115.58	-104.98	+225.04	-327.01
14/13/13/48	GR +95.000	-112.90	-107.46	-117.10	-111.10	+238.90	-339.85
14/13/15/20	GR +96.000	-114.91	-110.21	-118.61	-112.13	+254.80	-342.59
14/13/24/50	GR +0.0000	-1.47167	+2.5577	-7.0356	-4.0273	+684.34	-27.281
ECF							

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG2A UF X .1	SG2B UF X .1	SG2C UF X .1	SG6A UF X .1	SG6B UF X .1	SG6C UF X .1
14/12/26/15	GR +0.0000	+1.5544	+4.0176	*****	-2.4794	+1.4974	+1.8100
14/12/30/01	GR +0.0000	+2.2588	+4.0176	*****	-6.2418	+5.8268	-2.9477
14/12/34/54	GR +50.000	-78.038	-84.809	*****	-104.12	-71.894	+21.527
14/12/38/03	GR +60.000	-63.630	-77.272	*****	-121.46	-86.171	+24.027
14/12/40/46	GR +65.000	-09.898	-84.700	*****	-132.39	-95.859	+22.027
14/12/43/26	GR +70.000	-06.854	-01.770	*****	-141.79	-103.84	+23.027
14/12/46/09	GR +75.000	-106.29	-06.715	*****	-154.78	-111.83	+23.027
14/12/48/34	GR +80.000	-113.74	-101.70	*****	-164.09	-110.82	+22.037
14/12/54/12	GR +85.000	-122.10	-105.14	*****	-183.46	-127.31	+19.527
14/13/03/36	GR +88.000	-127.16	-106.18	*****	-194.86	-132.30	+16.027
14/13/06/01	GR +90.000	-130.14	-106.48	*****	-201.81	-135.30	+13.527
14/13/08/24	GR +92.000	-131.69	-105.48	*****	-212.22	-138.70	+11.027
14/13/11/34	GR +94.000	-134.41	-101.70	*****	-225.11	-140.70	+1.0941
14/13/13/41	GR +95.000	-136.18	-97.727	*****	-234.02	-141.79	-1.0304
14/13/15/17	GR +96.000	-138.68	-90.713	*****	-255.36	-144.78	-18.318
14/13/24/51	GR +0.0000	+7.5444	+32.610	*****	-11.484	-40.440	-85.507
ECF							

Figure A2-63B : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 20 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC1 UF X .1	SC3 UF X .1	SC4 UF X .1	SC5 UF X .1	SC7 UF X .1	SC77 UF X .1
14/12/26/14	CM +0.0000	+1.0154	+0.0000	+1.0483	+2.0205	+3.5410	+1.5240
14/12/26/05	CM +0.0000	+15.747	+5.0976	-54.475	-65.161	+74.720	-3.5410
14/12/26/53	CM +50.0000	-7.1050	+24.490	-141.35	-166.69	+15.240	+24.942
14/12/26/02	CM +60.0000	-6.750	+20.020	-157.11	-190.43	+5.5444	+11.560
14/12/26/45	CM +65.0000	-72.640	+32.620	-167.79	-202.87	-5.50585	+34.614
14/12/26/25	CM +70.0000	-76.434	+34.600	-176.94	-212.22	-5.0585	+36.650
14/12/26/14	CM +75.0000	-72.095	+37.760	-185.50	-234.88	-6.0703	+40.213
14/12/26/32	CM +80.0000	-76.575	+40.800	-192.71	-253.87	-6.0703	+41.740
14/12/26/11	CM +85.0000	-74.158	+44.800	-200.85	-274.29	-5.0685	+43.267
14/12/26/34	CM +88.0000	-77.731	+49.470	-206.44	-295.49	+0.0000	+44.704
14/12/26/59	CM +90.0000	-71.264	+54.041	-210.51	-310.65	+4.0468	+43.267
14/12/26/22	CM +92.0000	-76.047	+60.101	-213.05	-323.33	+7.6245	+41.740
14/12/26/33	CM +94.0000	-72.431	+70.091	-217.12	-350.61	+17.282	-67.279
14/12/26/48	CM +95.0000	-70.014	+116.70	-219.66	-380.36	+28.664	-107.24
14/12/26/20	CM +96.0000	-74.012	+169.75	-223.73	-415.21	+47.770	-153.95
14/12/26/50	CM +0.0000	+7.6245	-73.317	-70.663	+217.13	+48.664	+31.060
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC14 UF X .1	SC16 UF X .1	SC17 UF X .1	SC19 UF X .1	SC20 UF X .1	SC22 UF X .1
14/12/26/14	CM +0.0000	+1.5240	+1.5473	+2.0332	+1.50885	+4.4162	+1.50244
14/12/26/05	CM +0.0000	-73.712	+69.021	+13.504	-66.033	-34.684	+42.181
14/12/26/53	CM +50.0000	-151.73	-10.077	-0.6298	-110.38	-125.75	-25.654
14/12/26/02	CM +60.0000	-160.94	-20.241	-21.314	-134.55	-144.00	-10.607
14/12/26/45	CM +65.0000	-181.07	-33.312	-31.423	-141.64	-164.79	-46.727
14/12/26/25	CM +70.0000	-190.17	-41.305	-38.012	-149.73	-163.45	-52.756
14/12/26/14	CM +75.0000	-200.80	-49.477	-46.122	-157.82	-171.04	-59.288
14/12/26/32	CM +80.0000	-211.92	-56.548	-53.217	-167.94	-179.23	-65.819
14/12/26/11	CM +85.0000	-223.05	-63.615	-61.427	-176.83	-185.34	-72.381
14/12/26/34	CM +88.0000	-232.67	-64.670	-65.381	-179.98	-187.34	-77.375
14/12/26/59	CM +90.0000	-243.70	-62.610	-67.480	-184.15	-187.34	-79.880
14/12/26/22	CM +92.0000	-260.94	-54.073	-71.998	-188.68	-185.35	-83.485
14/12/26/33	CM +94.0000	-294.38	-20.605	-84.107	-192.73	-181.97	-87.907
14/12/26/48	CM +95.0000	-224.73	+11.603	-89.203	-194.75	-175.47	-91.966
14/12/26/20	CM +96.0000	-261.66	+49.245	-99.846	-194.77	-167.01	-97.478
14/12/26/50	CM +0.0000	+2.664	+25.808	-2.0273	+2.7234	+72.447	+8.1798
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC23 UF X .1	SC25 UF X .1	SC24 UF X .1	SC27 UF X .1	SC28 UF X .1	SC30 UF X .1
14/12/26/14	CM +0.0000	+1.5240	+2.0176	-1.0068	+1.5439	+1.50880	-1.48282
14/12/26/05	CM +0.0000	+1.5240	-4.0273	+2.0138	-29.313	-28.833	-1.0009
14/12/26/53	CM +50.0000	-40.600	+23.415	+29.014	-100.74	-108.73	+25.907
14/12/26/02	CM +60.0000	-49.443	+31.560	+32.088	-124.41	-129.00	+14.111
14/12/26/45	CM +65.0000	-70.084	+30.141	+33.088	-137.52	-138.00	+18.713
14/12/26/25	CM +70.0000	-69.203	+42.240	+34.104	-140.60	-134.85	+44.318
14/12/26/14	CM +75.0000	-69.530	+50.104	+30.541	-144.16	-141.13	+51.480
14/12/26/32	CM +80.0000	-71.095	+60.025	+24.642	-150.71	-148.18	+59.074
14/12/26/11	CM +85.0000	-72.650	+70.469	+18.6533	-150.21	-148.21	+70.702
14/12/26/34	CM +88.0000	-77.735	+101.80	-12.082	-144.14	-147.71	+78.926
14/12/26/59	CM +90.0000	-150.02	+124.70	-35.230	-134.55	-145.68	+87.580
14/12/26/22	CM +92.0000	-169.26	+161.26	-73.490	-120.36	-141.64	+101.83
14/12/26/33	CM +94.0000	-203.24	+221.03	-141.46	-85.069	-134.07	+123.21
14/12/26/48	CM +95.0000	-221.90	+257.49	-176.60	-71.209	-120.50	+137.07
14/12/26/20	CM +96.0000	-242.77	+286.68	-212.94	-57.641	-110.38	+153.75
14/12/26/50	CM +0.0000	+2.0664	+73.370	-68.568	+0.2636	+68.620	-13.062
ECF							

Figure A2-63C : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 20 (Continued)

TIME IN DAY/HK/MIN/SEC	PER CENT LOAD	SC08 UF X .1	SG12H UF X .1	R1 KIPS/UF	SC3 UF X .1	SG11 UF X .1	R3 KIPS/UF
14/12/26/17	GR +0.0000	+0.02832	+4.44444	+4.44706	-1.51367	-1.0274	+5.8427
14/12/30/00	GR +0.0000	+0.0264	-57.4476	+1.77441	+0.0000	-1.0703	+16.215
14/12/30/20	T +0.0000	+0.0000	+0.02800	+0.0000	+0.0000	+0.0000	+2047.9
14/12/34/49	GR +50.000	-72.803	-97.105	+151.93	+25.157	+29.679	+26.94
14/12/37/59	GR +60.000	-96.879	-119.12	+137.96	+29.778	+15.308	+804.57
14/12/40/42	GR +65.000	-03.882	-132.06	+128.79	+22.344	+19.800	+752.11
14/12/43/28	GR +70.000	-09.451	-145.24	+116.28	+24.302	+41.960	+694.96
14/12/46/07	GR +75.000	-104.34	-154.00	+104.75	+26.453	+44.514	+710.06
14/12/48/35	GR +80.000	-107.84	-174.05	+84.572	+20.549	+46.546	+1000.9
14/12/54/16	GR +85.000	-105.84	-195.79	+71.348	+25.181	+48.101	+2047.9
14/13/03/33	GR +88.000	-07.856	-215.73	+56.812	+20.402	+48.101	+2047.9
14/13/06/06	GR +90.000	-17.871	-234.28	+46.232	+23.394	+48.101	+1270.4
14/13/08/26	GR +92.000	-18.232	-262.49	+35.294	+20.544	+46.546	+880.63
14/13/11/36	GR +94.000	-14.082	-318.53	+24.112	+21.620	+63.232	+21.204
14/13/13/44	GR +95.000	-1.5051	-147.45	+20.797	+21.720	-101.47	+17.171
14/13/15/23	GR +96.000	+72.576	-382.24	+17.979	+21.720	-148.72	+14.020
14/13/24/55	GR +0.0000	-75.888	+103.02	-1.3408	-22.577	+14.706	-4.1902
ECF							
TIME IN DAY/HK/MIN/SEC	PER CENT LOAD	SC37 UF X .1	SG38 UF X .1	R4 KIPS/UF	SC25 UF X .1	SG24 UF X .1	R5 KIPS/UF
14/12/26/17	GR +0.0000	+5.9448	-1.50722	+2.9423	-1.0102	-1.50577	+4.8604
14/12/30/00	GR +0.0000	+0.4411	-10.014	+1.2743	-1.6164	+2.0205	+1.485
14/12/30/20	T +0.0000	+0.3328	+0.3271	+0.0000	+0.0207	+0.0676	+0.0000
14/12/34/49	GR +50.000	+25.271	+5.0400	+22.445	+27.054	+27.471	+2047.9
14/12/37/59	GR +60.000	+25.438	+5.5411	+22.166	+28.236	+30.465	+770.44
14/12/40/42	GR +65.000	+21.029	+5.5404	+20.342	+20.827	+31.400	+526.65
14/12/43/28	GR +70.000	+26.628	+6.0405	+26.745	+26.947	+30.973	+328.96
14/12/46/07	GR +75.000	+21.195	+6.5404	+28.500	+25.107	+28.476	+214.75
14/12/48/35	GR +80.000	+25.261	+8.5404	+20.107	+24.797	+22.405	+143.33
14/12/54/16	GR +85.000	+25.261	+13.770	+103.85	+23.667	+2.6342	+84.048
14/13/03/33	GR +88.000	+27.637	+23.170	+150.77	+27.637	-13.106	+55.276
14/13/06/06	GR +90.000	+27.479	+36.053	+308.72	+22.026	-36.848	+40.800
14/13/08/26	GR +92.000	+36.122	+27.346	+323.17	+26.276	-75.277	+24.538
14/13/11/36	GR +94.000	+35.798	+20.100	+110.25	+22.40	-144.44	+19.080
14/13/13/44	GR +95.000	-1.4700	+26.474	+74.249	+25.000	-178.74	+16.468
14/13/15/23	GR +96.000	-14.616	+110.42	+58.201	+291.24	-215.66	+14.370
14/13/24/55	GR +0.0000	+57.56	+15.252	-1.3445	+28.567	-62.601	-1.4254
ECF							
TIME IN DAY/HK/MIN/SEC	PER CENT LOAD	SC30 UF X .1	SG31 UF X .1	R6 KIPS/UF	R1 INCHES X1000	R2 KIPS/INCHES X1000	
14/12/26/17	GR +0.0000	-1.48339	+1.0003	+1.0965	-1.5764	+0.04404	
14/12/30/00	GR +0.0000	-1.4907	+4.5747	+12.204	+104.81	+0.09375	
14/12/30/20	T +0.0000	+0.02636	+0.0000	+0.0000	+0.05457	+0.0000	
14/12/34/49	GR +50.000	+21.137	+23.803	+482.16	+26.015	+14.373	
14/12/37/59	GR +60.000	+28.277	+26.471	+375.58	+28.050	+14.515	
14/12/40/42	GR +65.000	+23.287	+25.416	+266.47	+24.558	+14.370	
14/12/43/28	GR +70.000	+28.447	+24.006	+219.22	+28.093	+13.476	
14/12/46/07	GR +75.000	+25.617	+22.873	+174.92	+22.701	+13.413	
14/12/48/35	GR +80.000	+23.777	+19.515	+135.29	+20.117	+11.604	
14/12/54/16	GR +85.000	+24.488	+12.797	+103.43	+20.514	+10.504	
14/13/03/33	GR +88.000	+23.668	+6.0406	+86.044	+25.876	+10.171	
14/13/06/06	GR +90.000	+22.338	-1.0003	+72.515	+24.219	+9.1201	
14/13/08/26	GR +92.000	+10.61	-13.612	+57.047	+24.416	+8.1303	
14/13/11/36	GR +94.000	+12.803	-28.776	+45.288	+18.86	+6.0751	
14/13/13/44	GR +95.000	+14.71	-40.876	+34.064	+130.76	+5.5019	
14/13/15/23	GR +96.000	+15.863	-53.944	+34.289	+145.50	+5.0043	
14/13/24/55	GR +0.0000	-10.022	-11.001	-225.40	+217.21	-0.0510	
ECF							

Figure A2-63D : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 20 (Continued)

TIME IN DAY/HK/MIN/SEC	PER CENT LOAD	SC12A UE X .1	SC12B UE X .1	SC12C UE X .1	R11 KIPS/UE	R13 KIPS/UE
14/12/26/22	GN +0.0000	+1.0284	+2.0274	+1.0284	+542.49	+715.14
14/12/30/03	GN +0.0000	-1.0216	-61.709	-1.0217	-1.0218	-3.5883
14/12/34/47	GN +0.0000	-70.482	-158.00	+15.000	+176.24	+27.014
14/12/38/07	GN +0.0000	-119.48	-130.44	+17.087	+184.95	+101.87
14/12/40/50	GN +0.0000	-124.53	-142.00	+15.000	+140.67	+105.71
14/12/43/23	GN +70.000	-141.77	-206.76	+15.000	+153.13	+107.13
14/12/46/12	GN +75.000	-154.71	-220.72	+13.575	+180.01	+105.57
14/12/48/41	GN +80.000	-171.62	-236.97	+10.003	+191.19	+104.61
14/12/54/15	GN +85.000	-197.70	-256.71	+2.133	+184.26	+104.17
14/12/03/31	GN +88.000	-224.56	-276.45	-4.614	+177.43	+99.058
14/12/06/02	GN +90.000	-254.22	-296.10	-22.328	+167.00	+94.706
14/12/08/21	GN +92.000	-280.10	-324.01	-46.672	+156.70	+85.597
14/12/11/28	GN +94.000	-288.56	-370.95	-106.70	+131.77	+77.469
14/12/13/42	GN +95.000	-238.33	-408.77	-140.57	+122.17	+72.489
14/12/15/25	GN +96.000	-196.03	-445.46	-156.28	+114.49	+67.038
14/12/24/54	GN +0.0000	+1.0284	+2.0274	+1.0284	+543.045	+716.138
EFC						
TIME IN DAY/HK/MIN/SEC	PER CENT LOAD	SC24A UE X .1	SC24B UE X .1	SC24C UE X .1	R11 KIPS/UE	
14/12/26/22	GN +0.0000	+1.5132	+1.5132	+1.5132	+326.40	
14/12/30/03	GN +0.0000	+1.5094	+1.5094	+1.5094	+326.40	
14/12/34/47	GN +50.000	-46.328	-90.167	+14.002	+127.70	
14/12/38/07	GN +60.000	-73.272	-97.106	+18.021	+120.32	
14/12/40/50	GN +65.000	-88.726	-107.10	+19.626	+117.66	
14/12/43/23	GN +70.000	-104.181	-116.02	+22.641	+114.03	
14/12/46/12	GN +75.000	-120.130	-124.05	+27.666	+110.84	
14/12/48/41	GN +80.000	-101.61	-132.19	+22.690	+111.64	
14/12/54/15	GN +85.000	-79.130	-139.71	+13.743	+109.52	
14/12/03/31	GN +88.000	-70.214	-142.00	+54.707	+111.44	
14/12/06/02	GN +90.000	-77.117	-143.70	+65.051	+111.10	
14/12/08/21	GN +92.000	-55.008	-141.11	+82.934	+121.15	
14/12/11/28	GN +94.000	-7.0033	-132.08	+100.56	+138.04	
14/12/13/42	GN +95.000	+17.016	-130.70	+121.11	+148.47	
14/12/15/25	GN +96.000	+18.767	-128.03	+132.17	+165.41	
14/12/24/54	GN +0.0000	+1.5132	+1.5132	+1.5132	+326.40	
EFC						
TIME IN DAY/HK/MIN/SEC	PER CENT LOAD	SC20A UE X .1	SC20B UE X .1	SC20C UE X .1	R11 KIPS/UE	
14/12/26/22	GN +0.0000	+1.5283	+1.5165	+1.5283	+325.10	
14/12/30/03	GN +0.0000	+1.5175	+1.5175	+1.5175	+325.10	
14/12/34/47	GN +50.000	-70.831	-90.216	+17.320	+134.97	
14/12/38/07	GN +60.000	-114.73	-97.155	+18.952	+126.493	
14/12/40/50	GN +65.000	-120.50	-106.67	+17.473	+123.260	
14/12/43/23	GN +70.000	-126.66	-115.00	+11.001	+122.818	
14/12/46/12	GN +75.000	-131.61	-122.74	+6.043	+120.413	
14/12/48/41	GN +80.000	-139.38	-131.76	+71.044	+120.165	
14/12/54/15	GN +85.000	-144.04	-139.70	+74.151	+120.193	
14/12/03/31	GN +88.000	-145.53	-144.75	+66.209	+120.264	
14/12/06/02	GN +90.000	-144.54	-144.74	+92.250	+120.136	
14/12/08/21	GN +92.000	-141.54	-144.72	+100.43	+120.443	
14/12/11/28	GN +94.000	-134.11	-145.74	+116.96	+120.200	
14/12/13/42	GN +95.000	-124.54	-141.76	+129.56	+121.217	
14/12/15/25	GN +96.000	-123.57	-135.83	+142.67	+120.793	
14/12/24/54	GN +0.0000	+1.5206	+1.5174	+1.5206	+325.511	
EFC						

Figure A2-63E : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 20 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LFS KIPS	L04 PSIG X100
14/12/26/22	GR +0.0000	+0.0000	+1.43+1	+0.0634	+1.0223
14/12/30/03	GR +0.0000	+0.0000	-1.4725	-0.0591	+0.0375
14/12/34/47	GR +50.0000	+17.5000	+18.604	+2.0345	+0.0375
14/12/38/07	GR +60.0000	+23.0000	+21.044	+2.844	+0.0375
14/12/40/50	GR +65.0000	+24.425	+24.309	+2.0478	+0.0334
14/12/43/23	GR +70.0000	+26.304	+26.704	+2.4511	+0.0375
14/12/46/12	GR +75.0000	+27.244	+28.603	+2.7534	+0.0374
14/12/48/41	GR +80.0000	+28.532	+30.004	+2.1577	+0.0375
14/12/54/15	GR +85.0000	+31.941	+31.902	+2.6000	+0.0375
14/13/03/31	GR +88.0000	+33.358	+33.303	+2.7617	+0.0334
14/13/06/02	GR +90.0000	+33.020	+33.570	+2.5633	+100.41
14/13/08/21	GR +92.0000	+35.222	+34.804	+2.1650	+0.0375
14/13/11/28	GR +94.0000	+35.222	+34.804	+2.2661	+0.0375
14/13/13/42	GR +95.0000	+35.224	+35.301	+2.3666	+0.0375
14/13/15/25	GR +96.0000	+36.164	+35.301	+2.3666	+0.0375
14/13/24/54 ECF	GR +0.0000	-1.4751	-1.9316	+3.1103	+1.0293

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC9A UF X .1	SC9P UF X .1	SC9F UF X .1	K10 KIPS/UF	K12 KIPS/UF
14/12/26/22	GR +0.0000	+1.40560	+1.0873	+1.52567	-152.35	+234.85
14/12/30/03	GR +0.0000	+0.0113	+1.724	+0.5410	+5.0896	-3.0022
14/12/34/47	GR +50.0000	-23.383	-1.4087	+3.5846	+2047.9	+230.39
14/12/38/07	GR +60.0000	-08.261	-14.408	+44.553	+2041.0	+238.39
14/12/40/50	GR +65.0000	-14.707	-22.307	+45.094	+1478.8	+241.85
14/12/43/23	GR +70.0000	-101.54	-27.802	+66.556	+1206.9	+245.41
14/12/46/12	GR +75.0000	-109.08	-34.201	+69.601	+1107.9	+238.62
14/12/48/41	GR +80.0000	-116.09	-35.771	+63.606	+1127.6	+240.64
14/12/54/15	GR +85.0000	-120.59	-34.777	+60.116	+1245.2	+240.70
14/13/03/31	GR +88.0000	-119.58	-27.305	+66.625	+1477.6	+240.81
14/13/06/02	GR +90.0000	-115.03	-15.401	+73.135	+2047.9	+254.88
14/13/08/21	GR +92.0000	-105.12	+1.51+1	+83.650	+2047.9	+264.00
14/13/11/28	GR +94.0000	-11.409	+47.642	+111.79	-1310.5	+253.70
14/13/13/42	GR +95.0000	-66.526	+69.205	+122.70	-162.11	+241.88
14/13/15/25	GR +96.0000	-70.122	+95.404	+135.22	-613.29	+224.15
14/13/24/54 ECF	GR +0.0000	+2.5014	-4.47+6	-5.4448	-417.20	-161.29

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC10A UF X .1	SC10H UF X .1	SC10C UF X .1	K7 KIPS/UF
14/12/26/22	GR +0.0000	+0.4284	+0.0000	+1.5341	-245.22
14/12/30/03	GR +0.0000	+0.4284	+11.000	+0.0424	+14.441
14/12/34/47	GR +50.0000	-23.501	-25.349	+19.093	+123.87
14/12/38/07	GR +60.0000	-07.980	-02.704	+19.003	+121.56
14/12/40/50	GR +65.0000	-03.375	-101.04	+18.000	+120.58
14/12/43/23	GR +70.0000	-100.71	-111.07	+18.000	+118.96
14/12/46/12	GR +75.0000	-107.78	-110.09	+18.502	+114.34
14/12/48/41	GR +80.0000	-115.71	-128.02	+19.093	+113.51
14/12/54/15	GR +85.0000	-124.17	-137.75	+20.067	+100.06
14/13/03/31	GR +88.0000	-131.13	-143.00	+20.560	+100.07
14/13/06/02	GR +90.0000	-135.56	-146.77	+21.100	+105.60
14/13/08/21	GR +92.0000	-140.57	-149.74	+21.602	+105.38
14/13/11/28	GR +94.0000	-141.41	-171.06	-7.6477	+11.636
14/13/13/42	GR +95.0000	-133.44	-172.06	-28.696	+11.687
14/13/15/25	GR +96.0000	-154.14	-160.08	-2.317	+13.035
14/13/24/54 ECF	GR +0.0000	+5.528	-4.9504	+5.148	-157.57

Figure A2-63F : TABULATED TRANSDUCER DATA-PANEL 1A-1-P-2 -
CONDITION 20 (Continued)

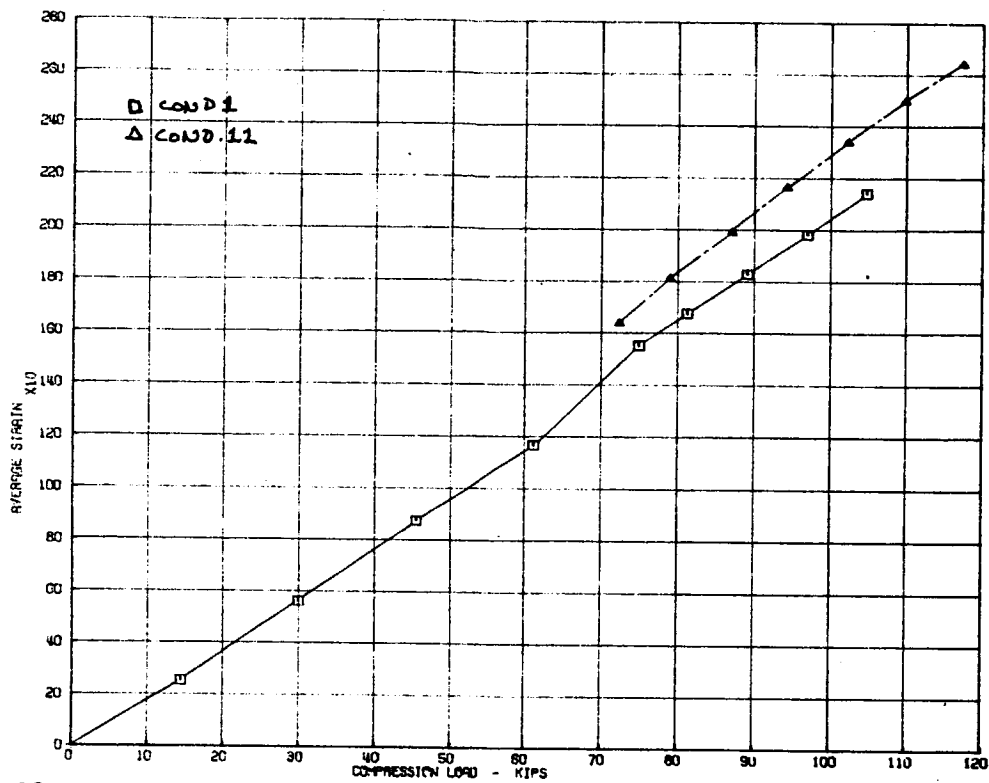


Figure A2-64: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 - CONDITION 1 AND 11

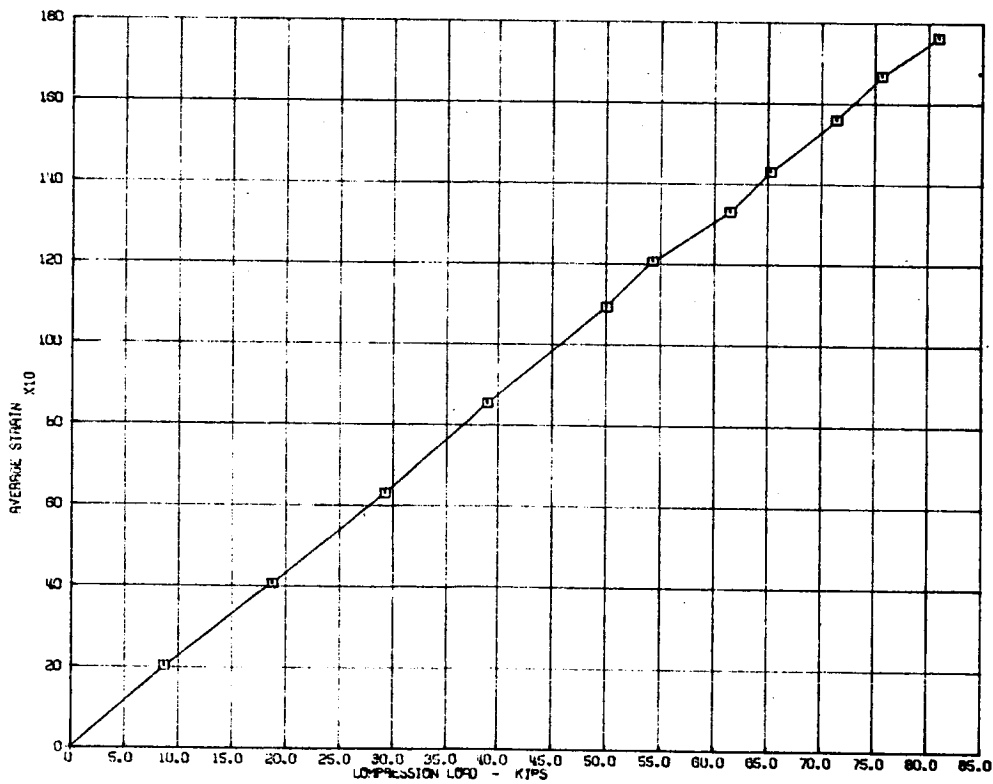


Figure A2-65: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 - CONDITION 3

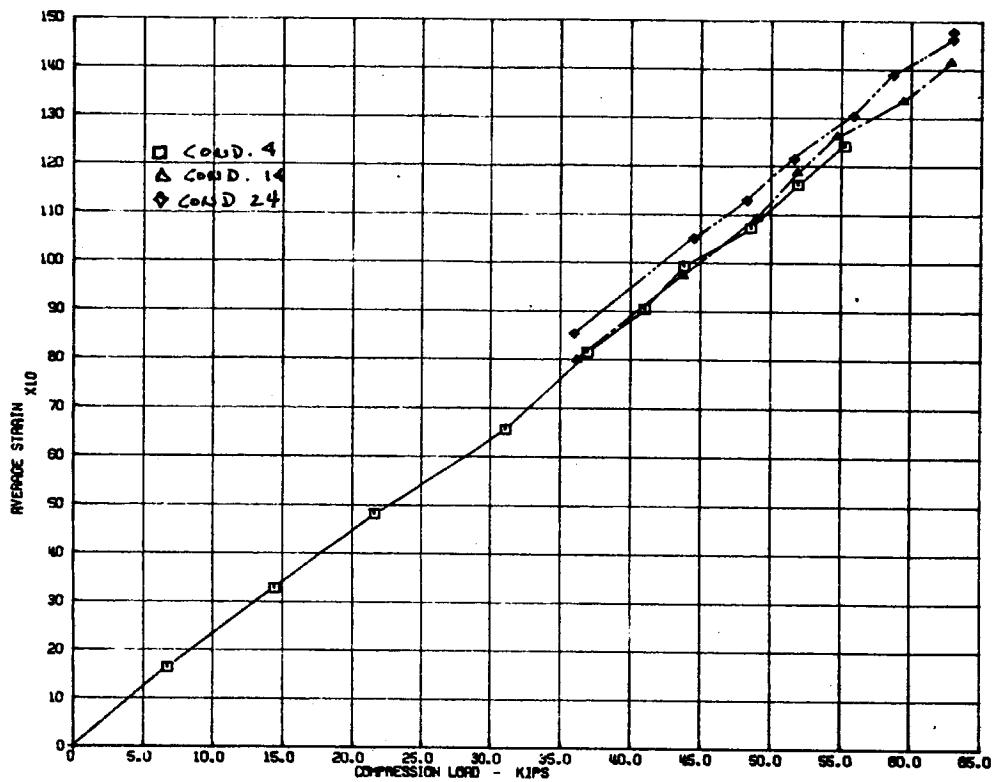


Figure A2-66: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 - CONDITION 4, 14 AND 24

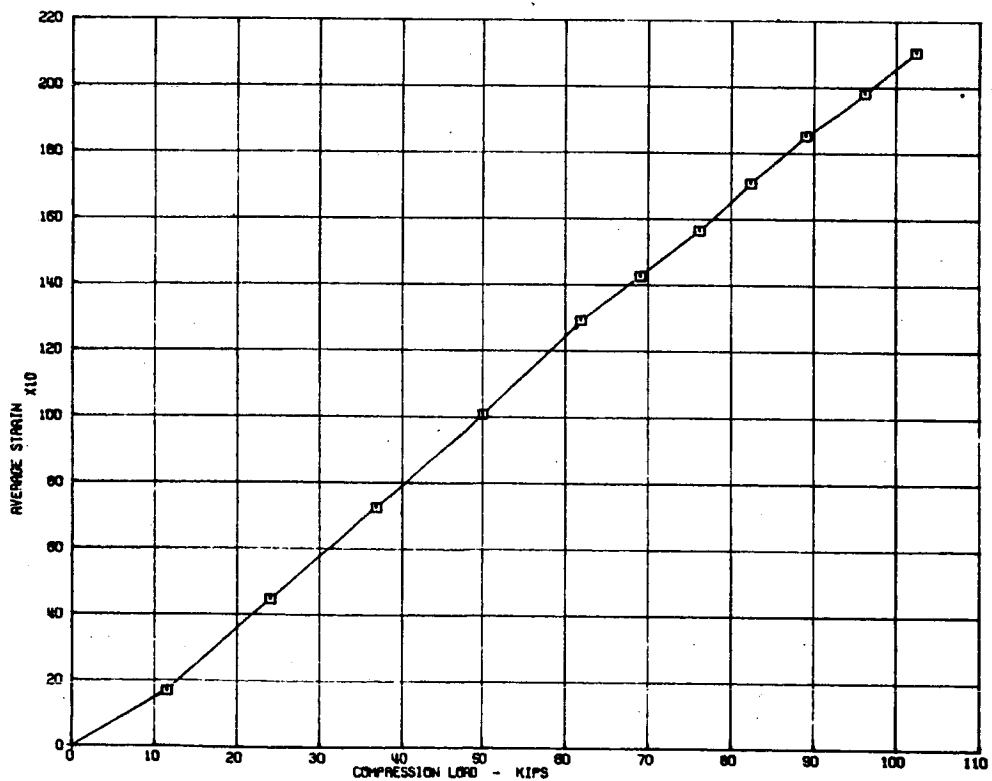


Figure A2-67: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 - CONDITION 5

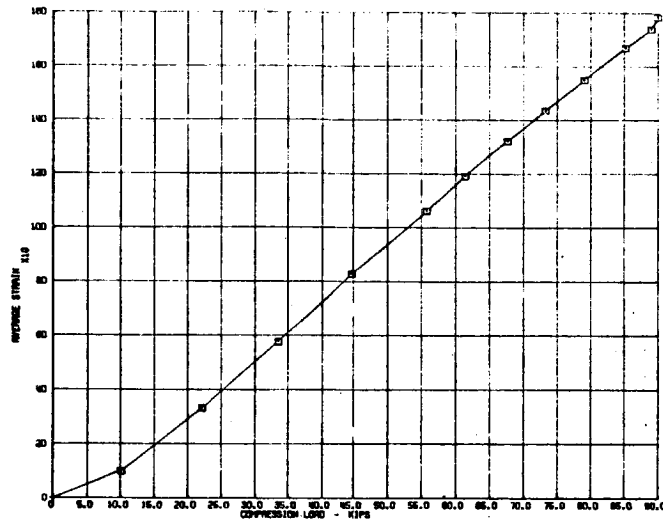


Figure A2-68: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 – CONDITION 6

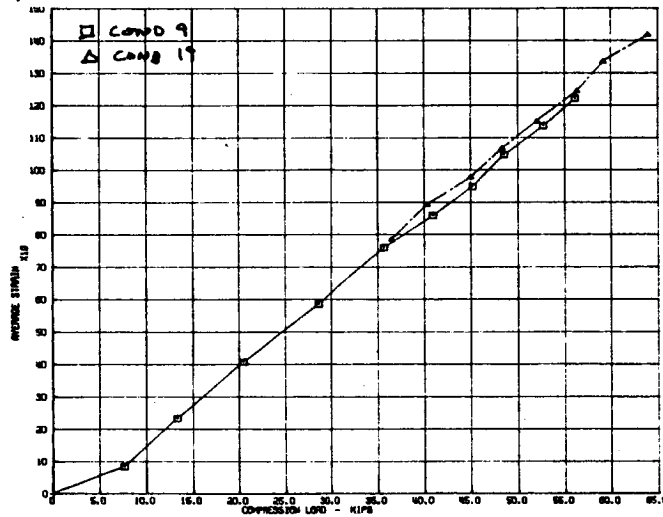


Figure A2-69: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 – CONDITION 9 AND 19

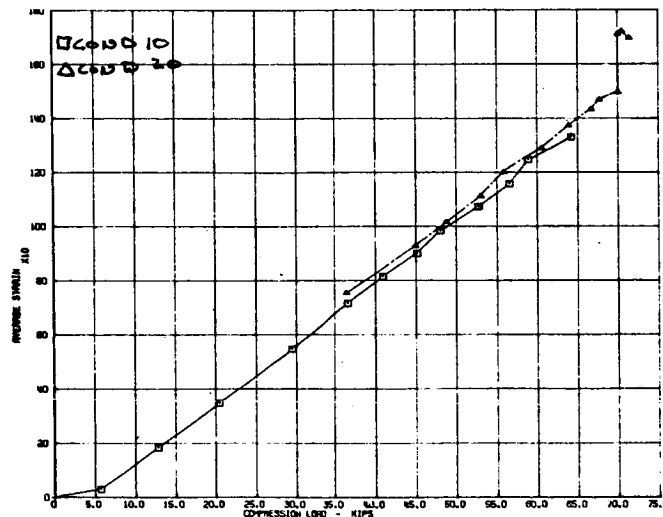


Figure A2-70: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 1A-1-P-2 – CONDITION 10 AND 20

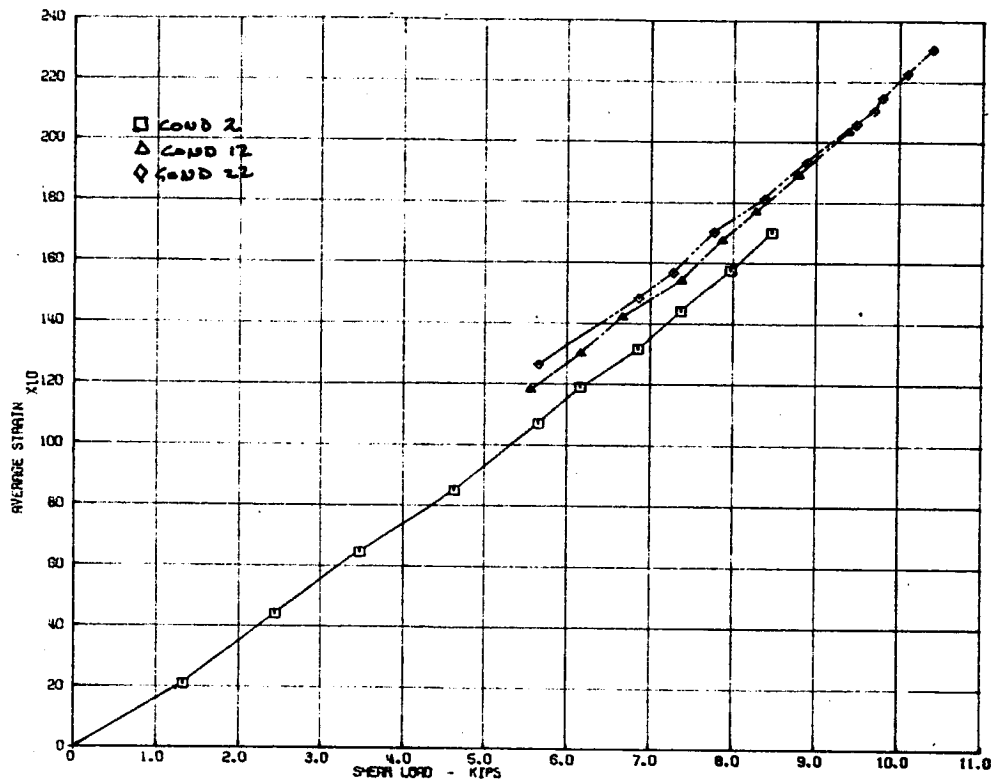


Figure A2-71: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 2, 12 AND 22

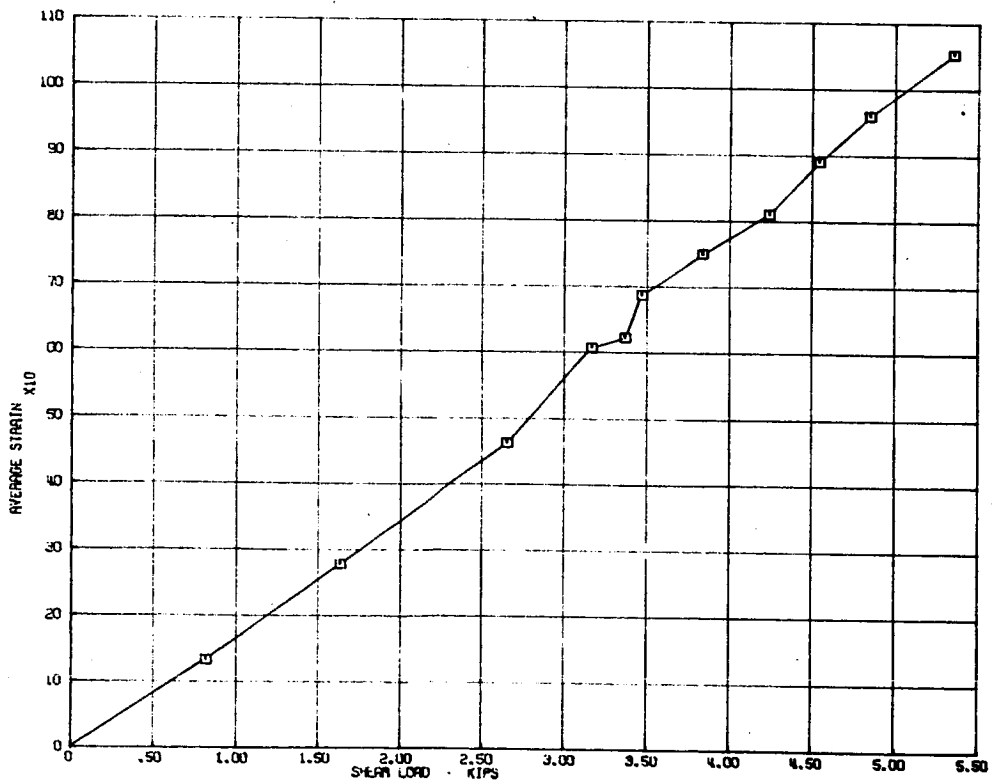


Figure A2-72: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 3

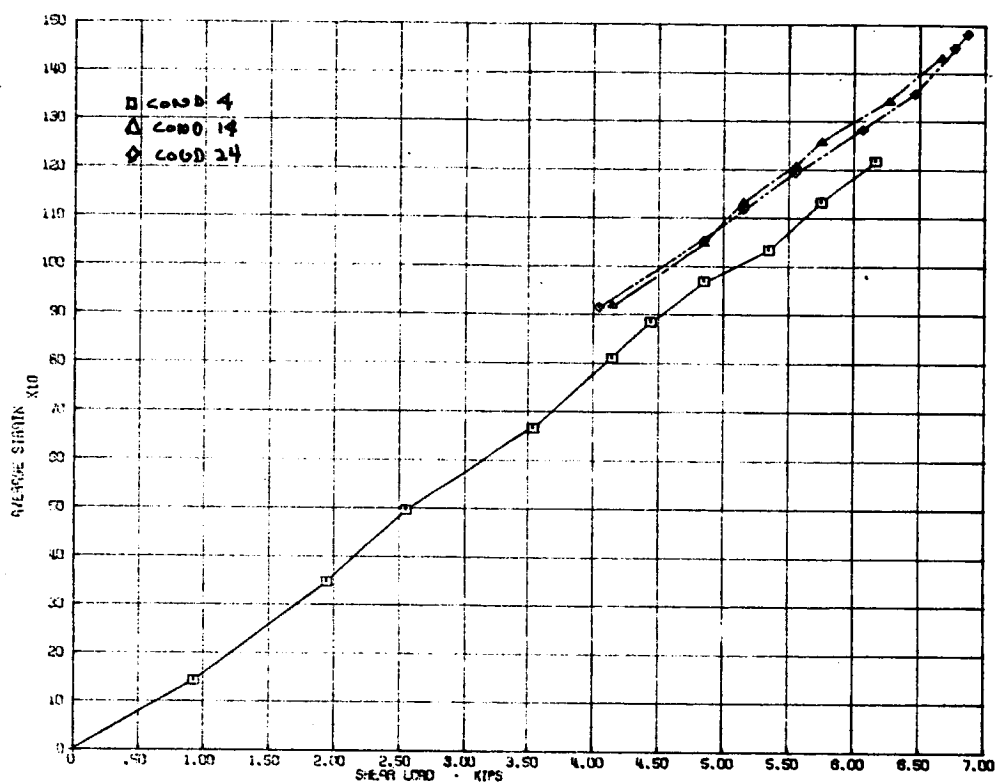


Figure A2-73 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 4, 14 AND 24

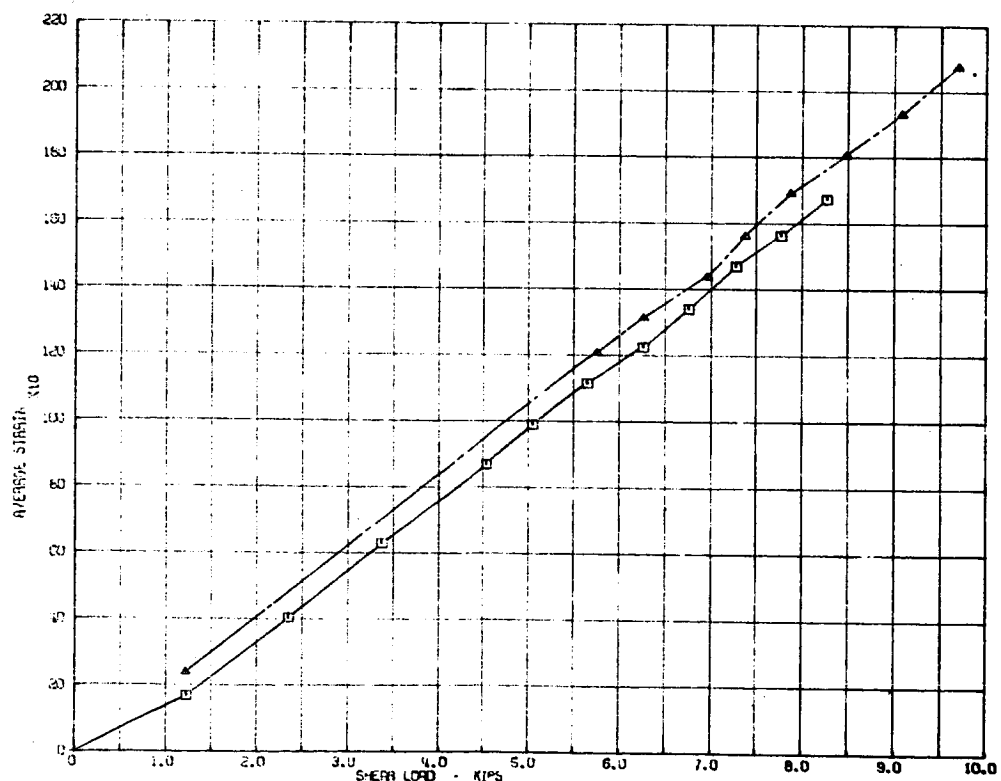


Figure A2-74 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 7 AND 17

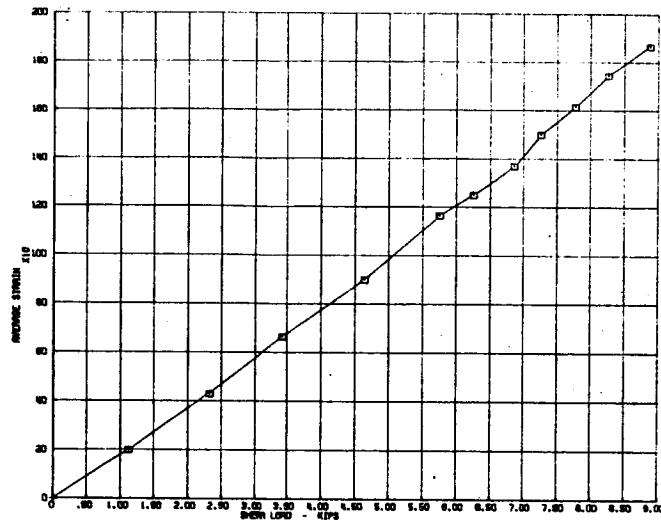


Figure A2-75: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 8

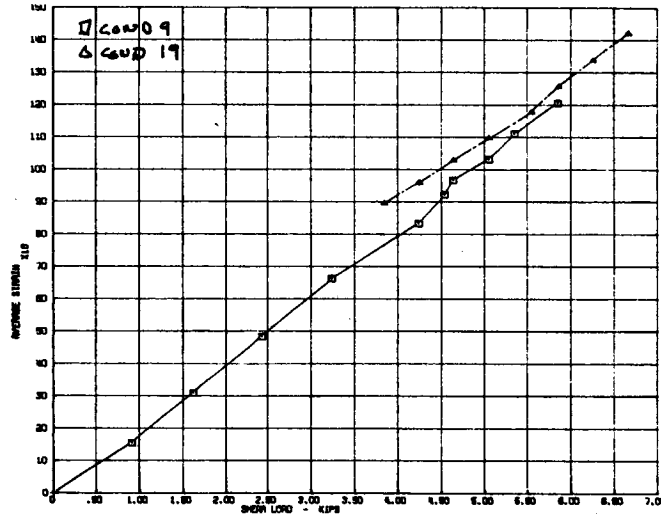


Figure A2-76: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 9 AND 19

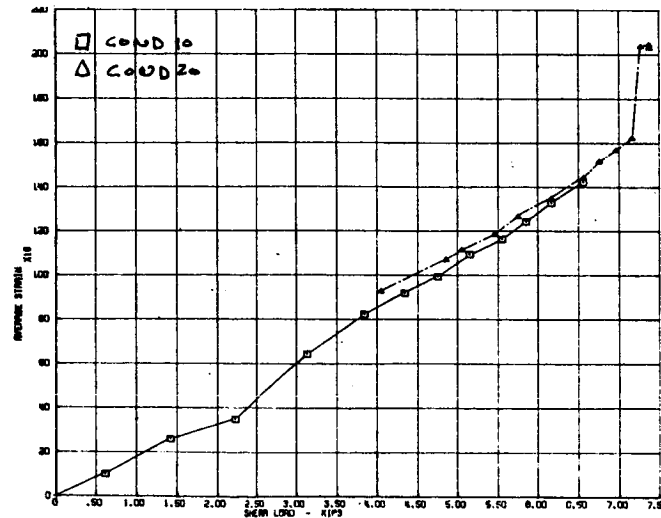


Figure A2-77: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 1A-1-P-2 - CONDITION 10 AND 20

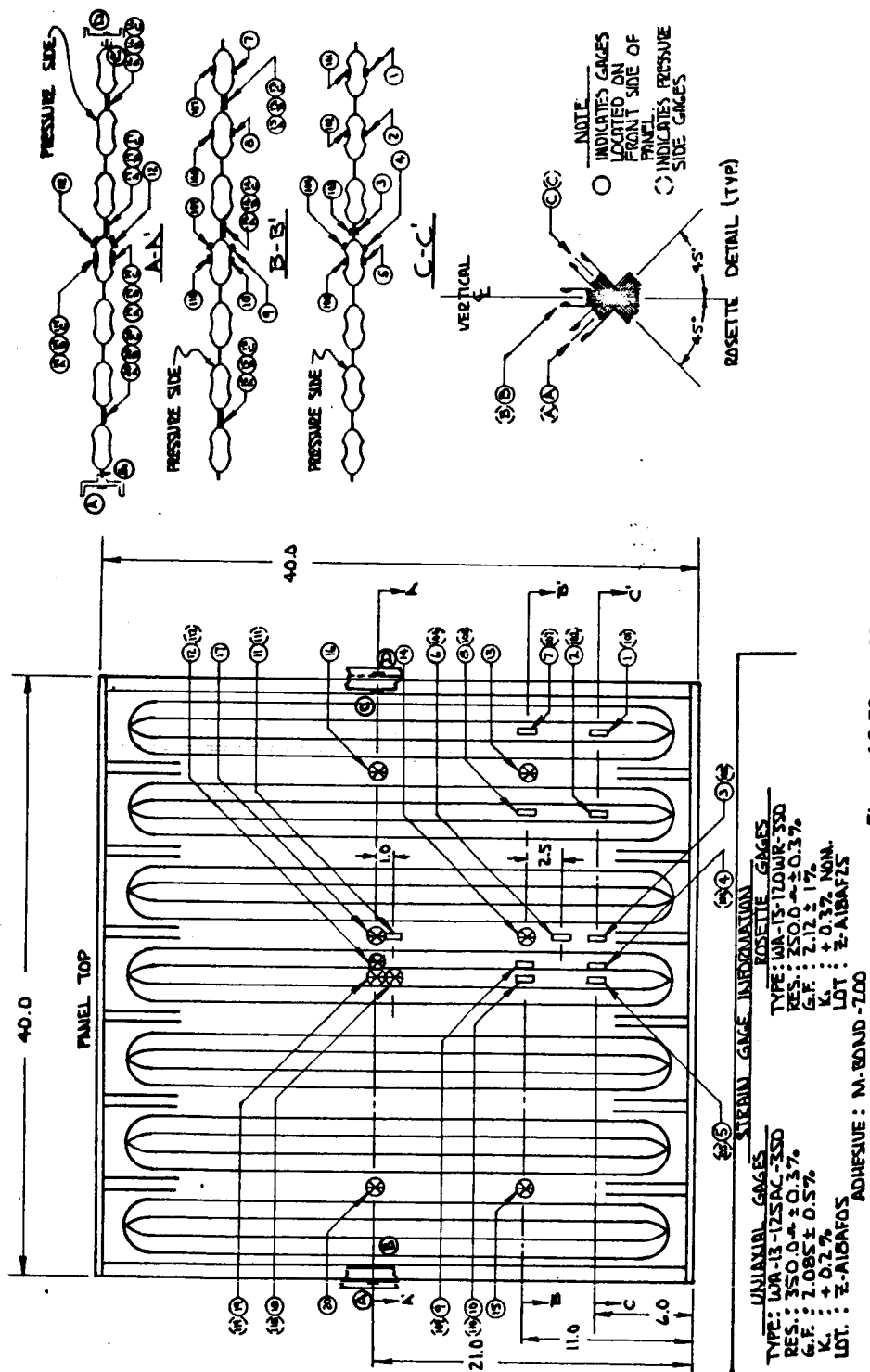


Figure A2-78 : STRAIN GAGE INSTALLATION-PANEL NO. 2A-1-P.1

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG18A UE X .1	SG18B UE X .1	SG18C UE X .1	SG118A UE X .1	SG118B UE X .1	SG118C UE X .1
07/09/22/27	GR +0.0000	+5.2734	+1.0382	+1.0008	+4.6679	+9.9958	+0.0027
07/09/25/09	GR +10.0000	+6.9360	-12.969	-7.9992	+10.403	-17.000	-8.4570
07/09/29/39	GR +20.0000	+15.394	-28.969	-18.008	+21.333	-37.000	-20.439
07/09/34/17	GR +30.0000	+24.848	-45.969	-27.508	+35.244	-58.900	-32.421
07/09/38/20	GR +40.0000	+33.306	-60.969	-36.508	+50.646	-80.900	-47.399
07/09/41/47	GR +50.0000	+39.774	-76.969	-43.508	+67.538	-103.90	-63.875
07/09/44/27	GR +55.0000	+41.765	-82.969	-46.000	+78.468	-119.00	-73.861
07/09/47/31	GR +60.0000	+41.765	-87.969	-46.000	+91.882	-126.00	-87.341
07/09/50/16	GR +65.0000	+37.281	-90.969	-42.000	+112.74	-138.90	-105.81
07/09/53/28	GR +70.0000	+21.862	-82.969	-26.000	+154.97	-146.90	-145.25
07/09/55/14	GR +72.0000	+47.9458	-64.969	-7.0008	-202.17	-135.50	-184.69
07/09/57/58	GR +74.0000	+28.529	+29.530	+31.653	+319.92	-7.5000	-288.84
07/10/00/32	GR +75.0000	+27.524	+51.520	+33.161	+336.81	+26.409	-298.03
07/10/01/59	GR +76.0000	+26.029	+62.030	+32.156	+344.76	+43.849	-304.82
07/10/03/14	GR +78.0000	+23.529	+74.520	+29.644	+353.21	+67.269	-314.91
07/10/05/05	GR +88.0000	+19.029	+86.530	+26.126	+361.65	+90.688	-316.50
07/10/06/38	GR +82.0000	+14.022	+97.530	+21.102	+369.11	+113.61	-320.99
07/10/08/47	GR +84.0000	+8.0292	+107.83	+15.575	+375.57	+133.54	-324.99
07/10/33/16	GR +0.0000	+9.6533	+53.027	+5.0008	+10.403	-3.5000	-4.9624
ECF							

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG20A UE X .1	SG20B UE X .1	SG20C UE X .1
07/09/22/27	GR +0.0000	+1.49902	+1.0336	+1.0302
07/09/25/09	GR +10.0000	-4.4788	-13.494	-4.4612
07/09/29/39	GR +20.0000	-8.9268	-30.826	-10.952
07/09/34/17	GR +30.0000	+13.931	-45.957	-16.444
07/09/38/20	GR +40.0000	+18.901	-61.588	-22.435
07/09/41/47	GR +50.0000	+23.385	-76.617	-27.927
07/09/44/27	GR +55.0000	-25.375	-83.631	-30.423
07/09/47/31	GR +60.0000	+27.863	-90.645	-32.919
07/09/50/16	GR +65.0000	-29.355	-98.199	-35.416
07/09/53/28	GR +70.0000	+30.848	-105.17	-37.912
07/09/55/14	GR +72.0000	+31.346	-107.17	-37.912
07/09/57/58	GR +74.0000	+33.336	-111.68	-42.905
07/10/00/32	GR +75.0000	+34.829	-113.69	-43.903
07/10/01/59	GR +76.0000	+35.824	-114.69	-46.408
07/10/03/14	GR +78.0000	+37.316	-117.69	-48.392
07/10/05/05	GR +88.0000	+38.809	-119.70	-50.893
07/10/06/38	GR +82.0000	+40.302	-121.70	-52.898
07/10/08/47	GR +84.0000	+41.291	-123.20	-54.887
07/10/33/16	GR +0.0000	+9.9804	+53.271	+1.0302
ECF				

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	EDI-20 INCHES X1000	EDI-21 INCHES X1000	EDI-18 INCHES X1000	EDI-19 INCHES X1000	EDI-16 INCHES X1000	EDI-11 INCHES X1000
07/09/22/27	GR +0.0000	+7.1386	+0.0000	+0.05371	+7.79345	+0.0000	+0.00957
07/09/25/09	GR +10.0000	+7.1386	-3.0556	+1.6816	+5.5941	+1.5463	-3.2686
07/09/29/39	GR +20.0000	+5.4072	-3.0556	+7.3793	+5.5941	+5.3905	-4.0820
07/09/34/17	GR +30.0000	+9.2343	-3.0556	+17.146	+6.3476	+12.230	-4.8984
07/09/38/20	GR +40.0000	+18.418	-7.6416	+30.170	+3.1730	+22.932	-3.2686
07/09/41/47	GR +50.0000	+28.369	+2.2778	+51.333	+3.9672	+35.926	-8.1040
07/09/44/27	GR +55.0000	+37.553	+8.3570	+66.798	+13.414	+46.628	+6.4765
07/09/47/31	GR +60.0000	+55.151	+17.463	+92.031	+29.195	+63.445	+17.080
07/09/50/16	GR +65.0000	+79.822	+34.926	+136.79	+58.490	+90.199	+36.430
07/09/53/28	GR +70.0000	+137.05	+76.687	+245.87	+130.19	+154.40	+81.766
07/09/55/14	GR +72.0000	+207.46	+120.72	+379.36	+204.36	+230.08	+131.96
07/09/57/58	GR +74.0000	+527.39	+281.69	*****	+452.13	+548.07	+298.13
07/10/00/32	GR +75.0000	+604.70	+315.10	*****	+502.63	+622.98	+334.35
07/10/01/59	GR +76.0000	+631.48	+327.74	*****	+519.20	+652.80	+346.49
07/10/03/14	GR +78.0000	+684.30	+346.88	*****	+549.18	+704.78	+388.35
07/10/05/05	GR +88.0000	+733.28	+367.49	*****	+577.59	+752.93	+388.59
07/10/06/38	GR +82.0000	*****	+384.95	*****	+606.78	*****	+411.26
07/10/08/47	GR +84.0000	*****	+403.17	*****	+632.03	*****	+429.88
07/10/33/16	GR +0.0000	+47.6428	+3.0371	+4.9375	+3.1238	+5.3505	+4.0478
ECF							

Figure A2-79A : TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1 -
CONDITION 31 (100 PERCENT LOAD = 101 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG8 UE X .1	SG108 UE X .1	SG9 UE X .1	SG107 UE X .1	SG10 UE X .1	SG110 UE X .1
07/09/22/30	GR +0.0000	+50.922	+50.643	+1.5224	+2.0302	+53.417	+53.173
07/09/24/57	GR +10.000	-10.694	-11.150	-14.719	-17.257	-9.6171	-11.591
07/09/29/32	GR +20.000	-22.408	-23.871	-32.992	-37.852	-21.291	-25.229
07/09/34/14	GR +30.000	-35.140	-35.478	-50.756	-59.385	-32.965	-39.323
07/09/38/23	GR +40.000	-42.362	-48.656	-67.506	-81.718	-44.639	-53.011
07/09/41/38	GR +50.000	-58.566	-61.327	-83.241	-106.08	-55.298	-67.660
07/09/44/30	GR +55.000	-63.652	-67.489	-89.839	-118.26	-59.866	-75.742
07/09/47/39	GR +60.000	-68.243	-74.584	-94.913	-132.47	-62.404	-84.834
07/09/50/19	GR +65.000	-72.826	-82.107	-95.422	-151.25	-63.926	-94.432
07/09/53/34	GR +70.000	-72.826	-91.737	-86.794	-177.64	-55.805	-110.59
07/09/55/19	GR +72.000	-68.752	-98.376	-68.014	-198.96	-42.608	-119.60
07/09/58/01	GR +74.000	-41.760	-112.81	+19.852	-255.81	+16.800	-85.844
07/10/00/35	GR +75.000	-32.084	-111.90	+42.249	-266.98	+29.508	-67.660
07/10/02/05	GR +76.000	-28.018	-109.98	+52.438	-273.57	+35.607	-57.052
07/10/03/23	GR +78.000	-24.445	-106.43	+65.663	-282.20	+42.724	-42.989
07/10/05/08	GR +80.000	-19.352	-99.339	+77.881	-289.31	+49.840	-29.725
07/10/06/35	GR +82.000	-12.731	-89.283	+90.098	-296.92	+56.448	-15.632
07/10/08/55	GR +84.000	-5.6020	-75.518	+101.29	-302.00	+62.039	-3.5092
07/10/33/11	GR +0.0000	+0.0000	-2.0273	+5.0732	+4.0605	+0.02685	-3.5092
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UE X .1	SG13B UE X .1	SG13C UE X .1	SG14A UE X .1	SG14B UE X .1	SG14C UE X .1
07/09/22/27	GR +0.0000	-17.999	+52.685	+1.0283	+52.685	+1.0000	+1.4920
07/09/25/09	GR +10.000	-47.0000	-15.974	-4.9716	-4.9570	-17.000	-4.5244
07/09/29/39	GR +20.000	-10.000	-33.373	-10.971	+10.939	-36.500	-11.059
07/09/34/17	GR +30.000	-15.998	-49.875	-14.971	-17.420	-57.000	-18.085
07/09/38/20	GR +40.000	-21.500	-66.725	-19.971	-23.901	-76.000	-24.118
07/09/41/47	GR +50.000	-26.500	-83.227	-24.971	-29.385	-96.000	-27.647
07/09/44/27	GR +55.000	-29.000	-91.742	-25.971	-32.376	-105.00	-30.161
07/09/47/31	GR +60.000	-33.000	-98.681	-27.971	-34.869	-114.00	-34.177
07/09/50/16	GR +65.000	-34.000	-106.65	-28.971	-37.361	-123.00	-39.685
07/09/53/28	GR +70.000	-36.500	-114.63	-29.971	-38.857	-130.50	-35.690
07/09/55/14	GR +72.000	-38.500	-118.12	-27.971	-39.854	-131.50	-33.177
07/09/57/58	GR +74.000	-47.500	-123.80	-22.971	-37.860	-128.50	-29.134
07/10/00/32	GR +75.000	-51.500	-126.10	-19.471	-37.361	-118.00	-24.118
07/10/01/59	GR +76.000	-54.000	-126.59	-18.471	-37.361	-118.50	-21.112
07/10/03/14	GR +78.000	-56.000	-130.88	-16.971	-39.355	-121.50	-19.684
07/10/05/05	GR +80.000	-59.500	-133.88	-14.971	+40.851	-124.00	-19.684
07/10/06/38	GR +82.000	-63.000	-135.67	-11.971	+41.848	-125.50	-18.599
07/10/08/47	GR +84.000	-66.500	-137.56	-8.9710	+42.347	-127.50	-18.599
07/10/33/16	GR +0.0000	-17.999	-96.825	+52.682	+96.875	-1.9800	+7.9984
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UE X .1	SG15B UE X .1	SG15C UE X .1	SG16A UE X .1	SG16B UE X .1	SG16C UE X .1
07/09/22/27	GR +0.0000	+1.02880	+99.853	+1.0292	+0.0800	+4.99902	+4.99511
07/09/25/09	GR +10.000	-47.946	-15.976	-4.9804	+4.5800	-14.978	-4.4780
07/09/29/39	GR +20.000	-97.424	-33.451	-11.493	+9.5800	-30.954	-9.4536
07/09/34/17	GR +30.000	-14.693	-52.473	-17.504	-14.500	-46.432	-13.434
07/09/38/20	GR +40.000	-19.375	-69.388	-24.518	-19.500	-61.909	-18.489
07/09/41/47	GR +50.000	-24.351	-87.871	-31.031	-24.500	-77.885	-24.887
07/09/44/27	GR +55.000	-26.341	-96.358	-34.037	-27.000	-85.375	-25.375
07/09/47/31	GR +60.000	-28.332	-103.84	-37.543	-29.000	-92.364	-27.365
07/09/50/16	GR +65.000	-29.824	-112.83	-41.058	-31.800	-100.35	-28.858
07/09/53/28	GR +70.000	-30.322	-121.82	-46.068	-33.800	-107.84	-30.848
07/09/55/14	GR +72.000	-38.322	-124.81	-49.066	-34.800	-110.83	-31.846
07/09/57/58	GR +74.000	-25.845	-129.31	-62.592	-37.800	-115.83	-34.849
07/10/00/32	GR +75.000	-24.849	-132.30	-68.103	-38.500	-117.82	-38.321
07/10/01/59	GR +76.000	-24.351	-132.80	-72.111	-39.500	-119.32	-37.814
07/10/03/14	GR +78.000	-23.356	-136.79	-78.123	-41.000	-123.31	-39.367
07/10/05/05	GR +80.000	-22.858	-139.79	-83.633	-43.800	-125.81	-41.297
07/10/06/38	GR +82.000	-22.361	-142.79	-89.144	-45.800	-128.81	-43.287
07/10/08/47	GR +84.000	-22.361	-145.28	-93.653	-46.500	-131.30	-44.780
07/10/33/16	GR +0.0000	+1.02880	+1.9970	+5.2929	+9.9999	-4.9951	+1.4926
ECF							

Figure A2-79B : TABULATED TRANSDUCER DATA-PANEL 2A-1P-1 -
CONDITION 31 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG11 UE X .1	SG111 UE X .1	H4 LBS X .1 /UE	SG6 UE X .1	SG106 UE X .1	R5 LBS X .1 /UE
07/09/22/30	GR +8.0000	+155556	+1.0136	-16.982	+1.0395	+1.0429	+1.043.1
07/09/24/57	GR +10.000	-15.759	-15.751	+1980.7	-18.220	-19.887	+54.726
07/09/29/32	GR +20.000	-34.093	-34.464	+535.61	+40.814	-42.691	+74.288
07/09/34/14	GR +30.000	-54.464	-53.724	+415.49	-60.794	-66.884	+58.134
07/09/38/23	GR +40.000	-73.812	-72.477	+300.06	-81.574	-89.478	+50.869
07/09/41/38	GR +50.000	-93.678	-91.737	+255.71	+101.734	-118.787	+43.067
07/09/44/30	GR +55.000	-102.84	-100.86	+280.98	+110.746	-124.756	+39.584
07/09/47/39	GR +60.000	-111.50	-109.98	+401.18	+119.758	-136.726	+36.528
07/09/50/19	GR +65.000	-122.78	-119.61	+210.86	-127.719	-148.746	+30.868
07/09/53/34	GR +70.000	-132.38	-129.75	+269.23	-134.728	-159.714	+28.525
07/09/55/19	GR +72.000	-136.45	-135.32	+638.34	-134.779	-168.67	+27.991
07/09/58/01	GR +74.000	-144.09	-149.80	+151.13	-120.760	-148.784	+36.680
07/10/00/35	GR +75.000	-147.66	-153.86	+140.05	-117.756	-136.26	+40.448
07/10/02/05	GR +76.000	-152.21	-156.10	+198.48	-116.754	-136.777	+37.822
07/10/03/23	GR +78.000	-158.86	-159.65	+997.83	+117.756	-138.80	+36.942
07/10/05/08	GR +80.000	-165.99	-162.69	+244.85	+119.708	-140.84	+37.198
07/10/06/35	GR +82.000	-174.19	-165.22	+93.338	+120.709	-142.87	+36.529
07/10/08/55	GR +84.000	-181.21	-167.25	+60.379	+120.760	-143.738	+37.190
07/10/33/11	GR +8.0000	-27.0092	-2.5341	-8.4746	+4.0288	-3.0253	-4.4331
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG1 UE X .1	SG101 UE X .1	SG2 UE X .1	SG102 UE X .1	SG3 UE X .1	SG103 UE X .1
07/09/22/30	GR +8.0000	+1.02441	+5.0927	+5.0732	+1.02490	+1.0385	+1.5224
07/09/24/57	GR +10.000	-7.0952	-7.1298	-7.1059	-8.6201	-20.755	-21.825
07/09/29/32	GR +20.000	-14.723	-15.787	-16.242	-18.282	-45.083	-47.711
07/09/34/14	GR +30.000	-23.368	-23.426	-24.871	-28.961	-68.904	-73.597
07/09/38/23	GR +40.000	-30.996	-32.503	-33.499	-39.332	-92.219	-98.976
07/09/41/38	GR +50.000	-39.133	-41.281	-43.143	-50.320	-114.52	-125.36
07/09/44/30	GR +55.000	-43.201	-45.834	-46.696	-55.815	-124.65	-138.56
07/09/47/39	GR +60.000	-47.278	-49.989	-50.756	-62.817	-139.730	-151.76
07/09/50/19	GR +65.000	-51.338	-54.492	-53.802	-69.645	-144.42	-163.43
07/09/53/34	GR +70.000	-54.898	-60.094	-54.310	-79.308	-152.53	-176.62
07/09/55/19	GR +72.000	-55.915	-62.641	-51.264	-86.427	-158.02	-176.63
07/09/58/01	GR +74.000	-54.898	-69.261	-32.992	-112.736	-128.720	-149.73
07/10/00/35	GR +75.000	-53.372	-71.298	-27.916	-120.750	-122.12	-143.43
07/10/02/05	GR +76.000	-53.881	-72.876	-24.871	-125.07	-121.61	-141.61
07/10/03/23	GR +78.000	-53.881	-75.373	-22.848	-130.67	-122.12	-142.11
07/10/05/08	GR +80.000	-53.881	-77.919	-20.810	+135.775	-122.12	-143.43
07/10/06/35	GR +82.000	-53.372	-79.986	-17.257	+138.729	-122.12	-143.43
07/10/08/55	GR +84.000	-51.338	-81.993	-14.211	+138.729	-122.12	-143.43
07/10/33/11	GR +8.0000	-1.48388	-1.50927	-1.50781	-1.99218	-3.0161	-3.5532
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG4 UE X .1	SG104 UE X .1	SG5 UE X .1	SG105 UE X .1	SG7 UE X .1	SG107 UE X .1
07/09/22/30	GR +8.0000	+1.0151	+5.3173	+1.0405	+5.3417	+5.5362	+0.0000
07/09/24/57	GR +10.000	-9.1362	-8.6196	-6.0654	-8.6196	-10.178	-9.6298
07/09/29/32	GR +20.000	-19.283	-19.289	-14.186	-19.298	-20.894	-20.273
07/09/34/14	GR +30.000	-30.961	-30.995	-22.814	-31.903	-31.609	-30.420
07/09/38/23	GR +40.000	-41.620	-43.289	-30.936	-43.706	-42.834	-40.040
07/09/41/38	GR +50.000	-52.279	-55.914	-38.549	-56.931	-53.040	-50.176
07/09/44/30	GR +55.000	-56.841	-62.975	-42.102	-64.850	-58.652	-55.245
07/09/47/39	GR +60.000	-60.908	-69.645	-44.640	-72.187	-63.755	-60.363
07/09/50/19	GR +65.000	-63.953	-77.781	-45.147	-83.375	-68.857	-64.875
07/09/53/34	GR +70.000	-62.431	-87.952	-42.102	-100.766	-73.450	-70.450
07/09/55/19	GR +72.000	-56.841	-92.529	-33.981	-116.93	-75.491	-72.984
07/09/58/01	GR +74.000	-22.840	-103.71	-1.4978	+145.92	-76.001	-74.573
07/10/00/35	GR +75.000	-14.719	-111.34	+4.5937	+143.738	-76.001	-81.000
07/10/02/05	GR +76.000	-12.181	-116.43	+7.6614	+141.34	-76.911	-82.014
07/10/03/23	GR +78.000	-8.1210	-123.85	+11.224	+137.79	-77.932	-85.148
07/10/05/08	GR +80.000	-5.0756	-130.76	+13.769	+133.721	-78.042	-87.082
07/10/06/35	GR +82.000	-1.5229	-137.28	+16.823	+128.712	-78.042	-89.789
07/10/08/55	GR +84.000	-2.0302	-143.38	+18.859	+123.04	-78.042	-90.785
07/10/33/11	GR +8.0000	+5.0732	-2.5078	-1.98974	+2.0883	+0.8236	-7.9683
ECF							

Figure A2-79C : TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1 -
CONDITION 31 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17A UE X .1	SG17C UE X .1	SG17B UE X .1	H6 KIP/UE	H7 KIP/UE
07/09/22/19	GR +0.0000	+17.0000	+0.0000	+0.0000	+1784.7	-1967.7
07/09/25/01	GR +10.000	-47.5000	-5.4731	-15.401	+90.126	+1477.19
07/09/29/37	GR +20.000	-11.5000	-10.946	-32.293	+95.884	+1437.67
07/09/34/21	GR +30.000	-17.0000	-17.414	-51.662	+89.852	+1337.57
07/09/38/24	GR +40.000	-23.5000	-22.390	-69.555	+86.875	+1337.31
07/09/41/44	GR +50.000	-29.5000	-27.365	-86.944	+88.459	+1327.69
07/09/44/24	GR +55.000	-31.999	-29.883	-95.882	+87.101	+1317.55
07/09/47/33	GR +60.000	-34.5000	-32.341	-103.83	+86.604	+1327.90
07/09/50/22	GR +65.000	-36.5000	-33.336	-111.78	+88.228	+1337.09
07/09/53/31	GR +70.000	-38.0000	-35.326	-119.73	+90.839	+1357.06
07/09/55/20	GR +72.000	-37.5000	-34.331	-121.72	+90.333	+1357.50
07/09/58/04	GR +74.000	-36.0000	-32.838	-126.12	+89.984	+1347.97
07/10/00/37	GR +75.000	-35.5000	-33.336	-128.67	+89.918	+1347.87
07/10/02/00	GR +76.000	-36.5000	-34.331	-131.65	+88.433	+1327.65
07/10/03/20	GR +78.000	-38.0000	-36.819	-135.13	+88.812	+1337.21
07/10/05/10	GR +80.000	-40.0000	-39.387	-138.61	+88.667	+1337.00
07/10/06/42	GR +82.000	-42.0000	-42.892	-142.58	+88.710	+1337.06
07/10/08/50	GR +84.000	-43.0000	-45.277	-145.02	+89.170	+1337.75
07/10/33/14	GR +0.0000	-799999	-1.49755	-1.4907	+94.139	-1417.21
ECF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12A UE X .1	SG12C UE X .1	SG12B UE X .1	SG112B UE X .1	H8 KIP/UE	R10 KIP/UE
07/09/22/19	GR +0.0000	+5.52581	+0.0000	+0.02734	+4.49902	-167.76	+24.743
07/09/25/01	GR +10.000	-47.9580	-3.4897	-14.872	+15.976	+268.86	+310.14
07/09/29/37	GR +20.000	-11.933	-6.9794	-30.779	+34.948	+264.85	+305.80
07/09/34/21	GR +30.000	-17.918	-10.967	-48.165	+56.417	+254.17	+290.97
07/09/38/24	GR +40.000	-24.400	-15.454	-63.566	+77.885	+254.85	+296.27
07/09/41/44	GR +50.000	-30.383	-18.445	-76.483	+101.85	+261.78	+306.06
07/09/44/24	GR +55.000	-32.875	-20.439	-80.959	+116.32	+268.88	+316.21
07/09/47/33	GR +60.000	-34.878	-22.434	-81.949	+132.30	+287.87	+341.80
07/09/50/22	GR +65.000	-36.365	-24.428	-77.477	+154.77	+321.73	+369.70
07/09/53/31	GR +70.000	-34.878	-26.990	-53.133	+195.71	+469.16	+617.82
07/09/55/20	GR +72.000	-30.383	-27.419	-18.355	-233.65	+966.99	+822.6
07/09/58/04	GR +74.000	-14.711	-18.445	+122.44	+327.02	-318.45	+882.43
07/10/00/37	GR +75.000	+9.5273	-12.961	+153.04	+340.50	-245.77	+830.23
07/10/02/00	GR +76.000	+13.022	-11.964	+167.58	+346.99	-225.68	+211.53
07/10/03/20	GR +78.000	+16.524	-11.964	+187.16	+355.97	-204.39	+195.21
07/10/05/10	GR +80.000	+21.022	-9.9787	+207.23	+363.46	-187.30	+180.58
07/10/06/42	GR +82.000	+27.522	-6.9794	+225.79	+370.95	-175.84	+170.93
07/10/08/50	GR +84.000	+33.022	-3.9862	+241.89	+376.94	-167.09	+162.83
07/10/33/14	GR +0.0000	-179662	+0.0000	+5.52392	-4.4936	+1544.5	-310.29
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12A UE X .1	SG12C UE X .1	SG12B UE X .1	SG112B UE X .1	H9 KIP/UE	R11 KIP/UE
07/09/22/19	GR +0.0000	+5.52685	+5.52783	+0.02734	+4.49902	-187.765	+20.474
07/09/25/01	GR +10.000	-47.9671	-3.4550	-14.877	+15.976	+252.38	+289.34
07/09/29/37	GR +20.000	-11.9619	-7.4355	-30.779	+34.948	+256.80	+280.76
07/09/34/21	GR +30.000	-17.9579	-11.416	-48.165	+56.417	+218.52	+249.47
07/09/38/24	GR +40.000	-13.951	-15.894	-63.566	+77.885	+213.70	+242.98
07/09/41/44	GR +50.000	-16.942	-18.879	-76.483	+101.85	+203.49	+231.00
07/09/44/24	GR +55.000	-17.945	-20.869	-80.959	+116.32	+195.39	+221.12
07/09/47/33	GR +60.000	-18.944	-22.859	-81.949	+132.30	+186.75	+212.70
07/09/50/22	GR +65.000	-18.944	-23.854	-77.477	+154.77	+175.11	+196.01
07/09/53/31	GR +70.000	-17.945	-24.352	-53.133	+195.71	+152.48	+180.48
07/09/55/20	GR +72.000	-15.948	-22.859	-18.355	-233.65	+131.72	+143.94
07/09/58/04	GR +74.000	-23.431	-25.347	+122.44	+327.02	+99.852	+106.23
07/10/00/37	GR +75.000	-25.435	-26.840	+153.04	+340.50	+98.153	+103.95
07/10/02/00	GR +76.000	-27.432	-27.835	+167.58	+346.99	+97.116	+102.65
07/10/03/20	GR +78.000	-28.429	-29.378	+187.16	+355.97	+97.831	+103.14
07/10/05/10	GR +80.000	-31.425	-31.328	+207.23	+363.46	+98.382	+103.44
07/10/06/42	GR +82.000	-34.428	-34.363	+225.79	+370.95	+99.439	+104.31
07/10/08/50	GR +84.000	-38.416	-36.781	+241.89	+376.94	+108.28	+104.59
07/10/33/14	GR +0.0000	-179692	+5.52783	+5.52392	-4.4936	-88.260	-84.846
ECF							

Figure A2-79D: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1 -
CONDITION 31 (Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	ED1-B1 INCHES X100	ED1-B3 INCHES X1000	LPP PSIG X100
07/09/22/19	GR +0.0000	+4.46826	-4.46678	+0.00634	+0.95896	+0.0000	+1.0916
07/09/25/01	GR +10.000	+57.6191	+4.3242	+0.00634	+0.95496	-7.7333	+1.0916
07/09/29/37	GR +20.000	+10.301	+10.048	+0.00634	+3.4765	-7.7333	+7.47265
07/09/31/21	GR +30.000	+15.452	+14.819	+0.00634	+1.0229	-7.7333	+1.0916
07/09/38/24	GR +40.000	+20.603	+20.066	+0.00634	+2.0249	-7.7333	+3.1591
07/09/41/44	GR +50.000	+25.286	+25.314	+0.00634	+4.3627	-7.7333	+1.0916
07/09/44/24	GR +55.000	+27.623	+27.609	+0.00634	+6.0327	-7.7333	+1.0916
07/09/47/33	GR +60.000	+29.968	+30.562	+0.00634	+8.7845	-7.7333	+1.0916
07/09/50/22	GR +65.000	+32.310	+32.947	+0.00634	+13.046	-7.7333	+1.0916
07/09/53/31	GR +70.000	+35.119	+35.809	+0.00634	+24.067	-7.7333	+3.4580
07/09/55/20	GR +72.000	+36.056	+36.286	+0.00634	+38.895	-7.7333	+7.47265
07/09/58/04	GR +74.000	+36.992	+37.717	+0.00634	+92.468	-9.6669	+0.0000
07/10/00/37	GR +75.000	+37.928	+38.184	+0.00634	+104.22	-7.7333	+1.0916
07/10/02/00	GR +76.000	+37.929	+38.671	+0.00634	+109.90	-7.7333	+1.0916
07/10/03/20	GR +78.000	+39.333	+39.625	+0.00634	+118.25	-7.7333	+1.0916
07/10/05/10	GR +80.000	+39.802	+41.057	+0.00634	+126.60	-9.6669	+7.47265
07/10/06/42	GR +82.000	+41.203	+42.011	+0.00634	+132.94	-7.7333	+1.0916
07/10/08/50	GR +84.000	+42.143	+42.945	+0.00634	+139.62	-7.7333	+1.0916
07/10/33/14	GR +0.0000	+0.0000	-0.92333	+0.00634	+1.3569	+11.978	+7.4580

ECF

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG120 UE X .1	SG1120 UE X .1	M1 LBS/UE	SG190 UE X .1	SG1190 UE X .1	R2 LBS/UE
07/09/22/10	GR +0.0000	+4.47021	+0.0000	-196.36	+0.03876	+0.03125	-884.00
07/09/25/00	GR +10.000	+14.899	-16.481	+580.71	+14.947	-17.468	+357.49
07/09/29/34	GR +20.000	+30.821	-35.894	+363.10	+31.423	-36.968	+350.48
07/09/34/10	GR +30.000	+48.235	-56.833	+347.12	+49.396	-58.768	+368.96
07/09/38/21	GR +40.000	+63.660	-78.270	+272.33	+65.872	-79.968	+282.26
07/09/41/40	GR +50.000	+76.596	-102.719	+196.08	+81.350	-101.96	+243.48
07/09/44/28	GR +55.000	+80.079	-115.66	+153.08	+88.339	-111.96	+230.90
07/09/47/37	GR +60.000	+81.572	-132.11	+119.99	+93.332	-123.46	+201.16
07/09/50/17	GR +65.000	+77.094	-155.94	+83.313	+96.320	-135.46	+186.98
07/09/53/30	GR +70.000	+53.708	-195.92	+49.288	+87.341	-142.46	+127.13
07/09/55/16	GR +72.000	+19.373	-233.81	+33.566	+67.470	-130.96	+113.17
07/09/57/59	GR +74.000	+120.43	-326.54	+16.526	+32.578	+0.03125	+266.96
07/10/00/33	GR +75.000	+153.01	-340.49	+15.259	+56.613	+34.767	+344.65
07/10/02/04	GR +76.000	+167.59	-346.08	+14.901	+67.128	+52.386	+920.35
07/10/03/15	GR +78.000	+187.64	-355.95	+14.459	+80.648	+77.054	-1909.2
07/10/05/07	GR +80.000	+207.23	-363.93	+14.095	+93.167	+101.721	+999.92
07/10/06/39	GR +82.000	+225.78	-370.91	+13.882	+104.68	+124.37	+420.84
07/10/08/48	GR +84.000	+241.85	-376.89	+13.623	+114.69	+144.51	+882.73
07/10/33/12	GR +0.0000	+4.47021	-5.4838	-9.0478	+1.4211	-3.4687	-22.788

ECF

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG190 UE X .1	SG1190 UE X .1	SG190 UE X .1	SG1190 UE X .1	M3 LBS/UE
07/09/22/10	GR +0.0000	+5.52888	+5.53662	+5.53173	+0.03876	-183.59
07/09/25/00	GR +10.000	+67.9481	-8.9687	-7.9692	+8.9428	+906.28
07/09/29/34	GR +20.000	+16.428	-19.968	-17.468	+21.904	+691.26
07/09/34/10	GR +30.000	+29.893	-32.488	-27.468	+34.866	+750.93
07/09/38/21	GR +40.000	+34.368	-44.968	-35.469	+50.819	+572.31
07/09/41/40	GR +50.000	+41.341	-62.488	-43.469	+68.767	+596.23
07/09/44/28	GR +55.000	+43.840	-72.488	-45.469	+79.234	+612.32
07/09/47/37	GR +60.000	+43.840	-85.968	-45.469	+93.693	+648.11
07/09/50/17	GR +65.000	+48.350	-105.96	-41.469	+114.13	+704.01
07/09/53/30	GR +70.000	+24.896	-147.06	-24.469	+157.00	+813.77
07/09/55/16	GR +72.000	+67.4501	-194.46	-5.9692	+200.87	+1213.9
07/09/57/59	GR +74.000	+29.928	-315.46	+32.578	+309.06	+815.53
07/10/00/33	GR +75.000	+29.928	-331.96	+32.077	+322.02	+622.52
07/10/02/04	GR +76.000	+29.429	-339.46	+31.577	+328.00	+563.61
07/10/03/15	GR +78.000	+27.935	-347.96	+26.572	+334.98	+577.06
07/10/05/07	GR +80.000	+24.446	-355.96	+25.067	+342.96	+598.74
07/10/06/39	GR +82.000	+20.468	-362.96	+19.058	+346.94	+566.93
07/10/08/48	GR +84.000	+14.488	-367.96	+13.049	+352.43	+597.65
07/10/33/12	GR +0.0000	-2.4619	-8.9687	+0.03076	-9.9499	-29.813

ECF

Figure A2-79E: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1 -
CONDITION 31 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG10A UE X .1	SG10B UE X .1	SG10C UE X .1	SG110A UE X .1	SG110B UE X .1	SG110C UE X .1
04/13/58/38	GR +0.0000	+3.52880	-1.9643	-2.4697	+4.9755	-1.9697	-3.9580
04/14/00/21	GR +10.000	-12.433	-4.6875	+11.105	-15.829	-4.6972	+9.5117
04/14/02/33	GR +20.000	-28.386	+5.3271	+24.697	+33.864	+5.3827	+21.987
04/14/09/26	GR +25.000	-38.859	+2.0400	+32.249	-45.588	+2.8302	+28.973
04/14/10/58	GR +30.000	-47.822	+3.0449	+36.779	-55.107	+3.5302	+33.464
04/14/12/31	GR +35.000	-58.792	+4.5592	+43.827	-70.136	+5.0302	+38.455
04/14/15/34	GR +40.000	-68.268	+6.5690	+48.861	-82.661	+7.5302	+41.449
04/14/17/22	GR +45.000	-78.240	+8.5217	+54.399	-98.092	+11.530	+43.944
04/14/21/35	GR +50.000	-86.216	+10.581	+61.447	-116.772	+16.530	+43.944
04/14/24/50	GR +55.000	-87.712	+10.079	+73.023	-139.727	+26.530	+34.453
04/14/26/03 ECF	GR +0.0000	+3.52880	+0.2938	-1.4697	+4.9755	+5.3827	-2.9609

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG20A UE X .1	SG20B UE X .1	SG20C UE X .1
04/13/58/38	GR +0.0000	+3.99804	-2.0078	-4.99951
04/14/00/21	GR +10.000	-9.9702	-1.5858	+11.516
04/14/02/33	GR +20.000	-23.433	-1.0039	+25.036
04/14/09/26	GR +25.000	-31.402	-1.0039	+33.548
04/14/10/58	GR +30.000	-37.390	-1.0039	+40.058
04/14/12/31	GR +35.000	-44.369	-1.0039	+47.569
04/14/15/34	GR +40.000	-51.349	-1.0039	+54.571
04/14/17/22	GR +45.000	-58.328	-1.0039	+61.081
04/14/21/35	GR +50.000	-64.809	-1.5058	+68.092
04/14/24/50	GR +55.000	-71.290	-1.5058	+74.608
04/14/26/03 ECF	GR +0.0000	+0.0000	-2.0078	+0.0000

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	EDI-20 INCHES X1000	EDI-21 INCHES X1000	EDI-18 INCHES X1000	EDI-19 INCHES X1000	EDI-16 INCHES X1000	EDI-17 INCHES X1000
04/13/58/38	GR +0.0000	+3.75341	+8.1054	+8.6914	+5.5809	+0.5126	+5.6669
04/14/00/21	GR +10.000	+3.70146	+8.1054	+8.6914	+3.9291	+0.9126	+5.6669
04/14/02/33	GR +20.000	-3.75398	-7.71533	+5.7514	-7.79345	+3.1210	+4.8574
04/14/09/26	GR +25.000	-2.2612	-2.2460	+9.0073	-3.9672	+4.6962	+3.2382
04/14/10/58	GR +30.000	+3.70146	-5.3076	+12.263	-6.3476	+6.1914	+2.4287
04/14/12/31	GR +35.000	+0.0000	-6.8383	+19.588	-11.108	+10.796	+2.4287
04/14/15/34	GR +40.000	+3.70146	-9.8999	+26.914	-14.282	+16.169	-0.81494
04/14/17/22	GR +45.000	+5.72124	-13.726	+38.318	-18.249	+24.613	+4.8574
04/14/21/35	GR +50.000	+5.9570	-18.318	+55.403	-19.836	+37.662	+8.9052
04/14/24/50	GR +55.000	+5.9570	-27.583	+88.779	-10.414	+63.759	+24.287
04/14/26/03 ECF	GR +0.0000	+3.75073	+8.1054	+0.5371	+4.7153	-7.2167	+7.2861

**Figure A2-80A : TABULATED TRANSDUCER DATA-PANEL 2A-1P-1 -
CONDITION 22 (100 PERCENT LOAD = 19.2 KIPS)**

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG4 UE X .1	SG104 UE X .1	SG5 UE X .1	SG105 UE X .1	SG7 UE X .1	SG107 UE X .1
04/13/58/42	GR +0.0000	-1.48144	-2.0302	-1.0136	+1.50878	+2.0732	+1.0395
04/14/00/24	GR +10.000	+10.192	+14.232	+1.50683	-2.0341	+1.53710	+1.53271
04/14/02/39	GR +20.000	+22.398	+33.039	+1.5209	-5.0854	-2.9288	+1.02587
04/14/09/23	GR +25.000	+30.019	+45.238	+2.0273	-7.1196	-3.8395	-1.48095
04/14/11/01	GR +30.000	+37.132	+55.404	+2.0273	-8.6455	-4.5727	-1.98729
04/14/12/34	GR +35.000	+45.264	+67.604	+2.0273	-12.205	-6.1054	-1.4946
04/14/15/39	GR +40.000	+52.888	+80.311	+2.5342	-15.765	-6.6166	-1.48095
04/14/17/19	GR +45.000	+60.004	+93.527	+3.0418	-20.341	-7.1274	-2.0014
04/14/21/37	GR +50.000	+66.104	+108.796	+3.5478	-27.461	-8.1494	-1.6946
04/14/24/49	GR +55.000	+70.170	+128.09	+9.1629	-40.175	-8.1494	-2.0014
04/14/26/06	GR +0.0000	+1.53222	-1.0181	+0.0000	+1.50830	+2.0732	+1.5463
ECF							

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG8 UE X .1	SG108 UE X .1	SG9 UE X .1	SG109 UE X .1	SG10 UE X .1	SG110 UE X .1
04/13/58/42	GR +0.0000	+1.50732	+1.50643	-1.48099	+2.5292	+0.0000	-1.5175
04/14/00/24	GR +10.000	-1.50782	+1.5205	+4.0986	+3.0395	+1.50683	-1.50585
04/14/02/39	GR +20.000	-17.5228	+3.0410	+9.6982	+9.1286	+1.50683	+0.0000
04/14/09/23	GR +25.000	-27.0302	+4.0585	+12.752	+13.171	+1.0136	+1.50585
04/14/11/01	GR +30.000	-27.5380	+5.0732	+14.788	+16.210	+1.0136	+0.0000
04/14/12/34	GR +35.000	-37.0454	+6.0878	+17.333	+20.270	+1.5205	+0.0000
04/14/15/39	GR +40.000	-47.0609	+8.1171	+20.387	+25.835	+2.0273	+0.0000
04/14/17/19	GR +45.000	-57.0756	+10.683	+21.405	+31.915	+4.0800	-2.5292
04/14/21/37	GR +50.000	-67.5986	+12.683	+21.915	+41.833	+7.1401	-5.5644
04/14/24/49	GR +55.000	-97.1362	+16.741	+14.788	+58.257	+15.810	-15.681
04/14/26/06	GR +0.0000	+1.0151	+1.0136	+1.53564	+1.50585	+1.50683	+0.0000
ECF							

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG13A UE X .1	SG13B UE X .1	SG13C UE X .1	SG14A UE X .1	SG14B UE X .1	SG14C UE X .1
04/13/58/38	GR +0.0000	+1.5028	+1.52539	+1.02832	+1.99658	-1.49999	-1.747070
04/14/00/21	GR +10.000	-18.018	-1.96788	+11.545	+11.580	+0.0000	+13.047
04/14/02/33	GR +20.000	-24.046	-2.9575	+24.564	+26.800	+0.0000	+28.069
04/14/09/26	GR +25.000	-32.062	-3.9526	+32.576	+34.300	+1.50000	+36.582
04/14/18/58	GR +30.000	-58.074	-4.9477	+38.584	+41.300	+0.0000	+43.592
04/14/12/31	GR +35.000	-46.089	-5.9428	+46.596	+50.400	+0.0000	+52.605
04/14/15/34	GR +40.000	-52.101	-6.9379	+52.605	+57.800	+1.50000	+60.116
04/14/17/22	GR +45.000	-60.117	-7.9331	+59.615	+63.299	+1.50000	+67.627
04/14/21/35	GR +50.000	-67.138	-7.9331	+66.629	+70.300	+1.0000	+75.138
04/14/24/50	GR +55.000	-73.142	-8.9282	+73.636	+75.800	+1.0000	+82.649
04/14/26/03	GR +0.0000	+2.5048	+2.0180	+1.02832	+1.99658	+1.9900	+1.02800
ECF							

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG15A UE X .1	SG15B UE X .1	SG15C UE X .1	SG16A UE X .1	SG16B UE X .1	SG16C UE X .1
04/13/58/38	GR +0.0000	+0.0000	-3.4689	-1.5008	+2.0800	+1.49902	+1.74975
04/14/00/21	GR +10.000	-11.000	-1.98826	+11.016	+9.5800	+1.49902	+11.958
04/14/02/33	GR +20.000	-24.000	+1.92880	+25.532	+23.800	+1.49902	+24.914
04/14/09/26	GR +25.000	-31.500	+1.5288	+33.548	+30.800	+1.49902	+32.887
04/14/18/58	GR +30.000	-37.500	+2.0288	+40.058	+36.300	+1.49902	+38.866
04/14/12/31	GR +35.000	-45.000	+3.5288	+48.578	+44.300	+0.0000	+46.839
04/14/15/34	GR +40.000	-50.500	+5.0288	+59.084	+51.800	+0.0000	+53.316
04/14/17/22	GR +45.000	-57.500	+6.0288	+62.591	+58.800	-1.49951	+60.292
04/14/21/35	GR +50.000	-63.000	+8.0288	+69.601	+64.300	-1.49951	+67.269
04/14/24/50	GR +55.000	-68.500	+8.0288	+76.111	+71.300	-1.4980	+73.747
04/14/26/03	GR +0.0000	-1.99804	-2.4638	-1.99999	+2.0800	+1.9970	+1.4975
ECF							

Figure A2-80B : TABULATED TRANSDUCER DATA-PANEL 2A-1P-1 -
CONDITION 22 (Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG12A UE X .1	SG12C UE X .1	SG12B UE X .1	SG112B UE X .1	R8 KIP/UE	R10 KIP/UE
04/13/58/43	GR +0.0000	-1.49902	-1.4926	-1.4956	+3.9604	-487368	-96.012
04/14/00/25	GR +10.000	-12.936	+11.580	+1.49853	-1.4677	+1432.5	+49.889
04/14/02/40	GR +20.000	-26.378	+26.080	+1.9941	+1.5332	+696740	+47.716
04/14/09/28	GR +25.000	-33.833	+34.080	+1.4956	+2.5366	+368757	+48.512
04/14/11/03	GR +30.000	-41.292	+41.080	+1.9941	+4.5434	+292734	+48.662
04/14/12/37	GR +35.000	-49.258	+48.080	+1.4956	+6.0483	+224776	+49.275
04/14/15/37	GR +40.000	-58.711	+53.500	+1.99707	+7.5537	+183701	+49.086
04/14/17/23	GR +45.000	-69.658	+58.500	+1.49853	+9.5605	+153717	+48.559
04/14/21/39	GR +50.000	-82.594	+59.500	-1.49853	+13.872	+132788	+48.324
04/14/24/54	GR +55.000	-104.98	+53.000	-4.4868	+17.587	+106797	+47.491
04/14/26/07	GR +0.0000	-1.49902	-1.99511	+1.99707	+1.96923	+897258	-87.086
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG112A UE X .1	SG112C UE X .1	SG12B UE X .1	SG112B UE X .1	R9 KIP/UE	R11 KIP/UE
04/13/58/43	GR +0.0000	-1.99999	-1.9941	-1.4956	+3.9604	-207726	-22.745
04/14/00/25	GR +10.000	+10.484	+12.518	+1.49853	+1.4677	+323763	+52.771
04/14/02/40	GR +20.000	+19.970	+29.042	+1.9941	+1.5332	+727744	+51.078
04/14/09/28	GR +25.000	-25.462	+39.087	+1.4956	+2.5366	+517754	+50.940
04/14/11/03	GR +30.000	-28.952	+48.030	+1.9941	+4.5434	+532711	+51.814
04/14/12/37	GR +35.000	-31.953	+59.086	+1.4956	+6.0483	+430715	+52.384
04/14/15/37	GR +40.000	-34.948	+69.681	+1.99707	+7.5537	+355741	+52.367
04/14/17/23	GR +45.000	-34.948	+81.619	+1.49853	+9.5605	+326761	+52.970
04/14/21/39	GR +50.000	-31.454	+95.639	-1.49853	+13.872	+344796	+53.367
04/14/24/54	GR +55.000	-12.973	+116716	-4.4868	+17.587	+429702	+54.884
04/14/26/07	GR +0.0000	-1.99999	-1.99707	+1.99707	+1.96923	-927107	-94.172
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG11 UE X .1	SG111 UE X .1	N4 LBS X .1 /UE	SG6 UE X .1	SG106 UE X .1	R5 LBS X .1 /UE
04/13/58/42	GR +0.0000	-170151	-1.5382	-3.8109	-2.0843	-1.8170	-1.9882
04/14/00/24	GR +10.000	+50781	-51075	-1196.8	+1.98925	-50878	+35.548
04/14/02/39	GR +20.000	+50732	-51025	+35.474	+1.02587	-50878	+67.515
04/14/09/23	GR +25.000	+0.0000	+50976	+92.413	-1.48193	-1.0170	+88.028
04/14/11/01	GR +30.000	+50732	+0.0000	+110.61	-1.48193	-1.0170	+104.86
04/14/12/34	GR +35.000	+50732	+0.0000	+132.31	+1.98925	-1.5258	+125.89
04/14/15/39	GR +40.000	+0.0000	-51075	+153.13	+1.02587	-2.0341	+37.930
04/14/17/19	GR +45.000	-170151	-51075	+170.62	-1.48193	-2.0341	+55.498
04/14/21/37	GR +50.000	-170151	-1.0280	-582.08	+1.02587	-2.0341	+47.162
04/14/24/49	GR +55.000	-175229	-1.0280	+209.18	-1.48193	-1.0170	+196.51
04/14/26/06	GR +0.0000	+175229	+0.0000	-1.62259	+1.5483	+50732	-771015
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG1 UE X .1	SG101 UE X .1	SG2 UE X .1	SG102 UE X .1	SG3 UE X .1	SG103 UE X .1
04/13/58/42	GR +0.0000	+170117	+53466	+1.02498	+53515	-1.8136	-2.0024
04/14/00/24	GR +10.000	+170117	+1.02480	+1.0385	+1.48339	+50683	-2.5092
04/14/02/39	GR +20.000	+170117	-2.5180	+1.0385	+2.5175	+1.8136	-3.0161
04/14/09/23	GR +25.000	+170117	-3.5351	+1.0385	+3.5346	+2.8273	-4.0297
04/14/11/01	GR +30.000	+50589	-5.0685	+53173	+4.5917	+1.9205	-5.0434
04/14/12/34	GR +35.000	+0.0000	-7.0947	-1.48193	+6.5859	+2.8273	-5.5582
04/14/15/39	GR +40.000	+170117	-8.6286	-1.48193	-8.1118	+2.9341	-5.5582
04/14/17/19	GR +45.000	-170117	-10.145	-2.5092	+9.6372	+2.5341	-6.5639
04/14/21/37	GR +50.000	-175175	-12.688	-4.0297	-11.163	+3.8541	-6.5639
04/14/24/49	GR +55.000	-270239	-15.231	-7.0708	-12.180	+3.9629	-6.5639
04/14/26/06	GR +0.0000	+175175	+53466	+53173	+1.0449	+1.8136	+753174
EOF							

Figure A2-80C: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1 -
CONDITION 22 (Continued)

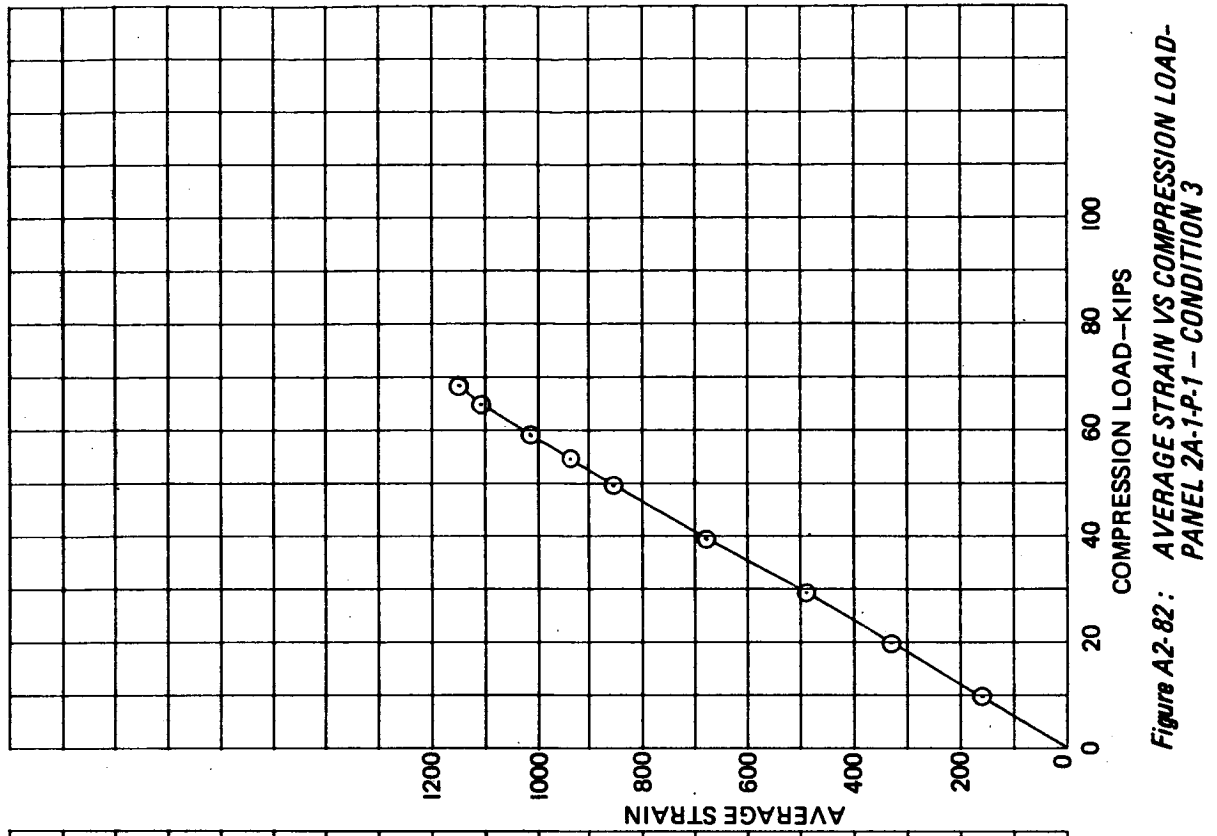
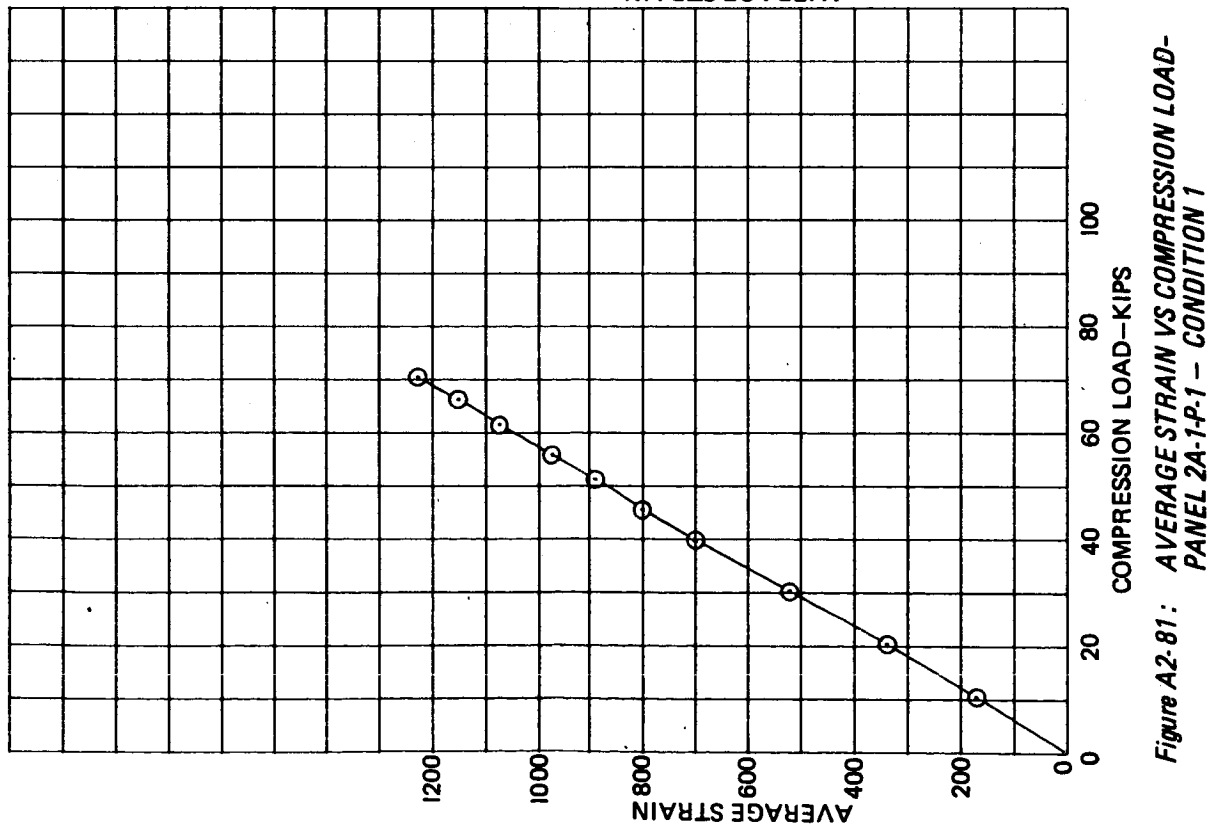
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	EDI-B1 INCHES X100	EDI-B3 INCHES X1000	LMP PSIG
04/13/58/43	GR +8.0000	+46972	+95117	-19628	+30908	-7.7187	+1.2729
04/14/00/25	GR +10.000	+870000	+95117	+1.7088	+35107	-164.04	-703021
04/14/02/40	GR +20.000	+46972	+1.4247	+3.5097	+68115	-229.66	-703096
04/14/09/28	GR +25.000	+46972	+4.7558	+4.6108	+35107	-277.91	+1.2729
04/14/11/03	GR +30.000	+46972	+95117	+5.6118	+1.0170	-310.71	-703096
04/14/12/37	GR +35.000	+870000	+4.7558	+6.7128	+1.6811	-351.24	-703096
04/14/15/37	GR +40.000	+870000	+4.7558	+7.7138	+2.0131	-387.91	+1.2729
04/14/17/23	GR +45.000	+46972	+4.7558	+8.7148	+3.3413	-426.51	-703071
04/14/21/39	GR +50.000	+870000	+95117	+9.6157	+5.3334	-463.18	-703071
04/14/24/54	GR +55.000	+870000	+4.7558	+10.516	+8.3217	-494.06	-703096
04/14/26/07	GR +8.0000	+46972	+95117	-19628	+68115	-287.949	-703021
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12H UE X .1	SG112H UE X .1	H1 LBS/UE	SG19H UE X .1	SG119B UE X .1	R2 LBS/UE
04/13/58/39	GR +8.0000	+179902	-49853	-6.3509	+1.4672	-99999	-20.271
04/14/00/22	GR +10.000	+49755	+1.4956	+90.715	+0.0876	+58000	+385.32
04/14/02/38	GR +20.000	+49755	+4.0136	+108.39	+1.5407	+3.0000	+259.32
04/14/09/24	GR +25.000	+174926	+5.5185	+119.58	+2.5307	+5.0341	+192.17
04/14/10/59	GR +30.000	+99511	+7.0239	+94.743	+3.5407	+6.5444	+189.93
04/14/12/32	GR +35.000	+174926	+9.0387	+90.388	+5.0307	+9.5649	+150.25
04/14/15/35	GR +40.000	+174926	+11.837	+81.864	+7.5407	+13.7592	+128.91
04/14/17/20	GR +45.000	+49755	+13.044	+69.458	+8.5407	+17.619	+95.884
04/14/21/29	GR +50.000	+174926	+15.582	+56.999	+10.830	+24.157	+74.016
04/14/24/45	GR +55.000	+49755	+21.871	+40.758	+9.0307	+35.742	+37.745
04/14/26/04	GR +8.0000	+49755	+1.4956	-4.7529	+5.2978	+1.8800	-20.145
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG19A UE X .1	SG119C UE X .1	SG19C UE X .1	SG119A UE X .1	H3 LBS/UE
04/13/58/39	GR +8.0000	+96638	+49982	-99853	+49804	-285.29
04/14/00/22	GR +10.000	-13.428	+12.542	+12.561	+13.458	-1571.0
04/14/02/38	GR +20.000	-29.382	+24.583	+25.624	+32.404	+192.33
04/14/09/24	GR +25.000	+38.854	+29.680	+32.159	+43.472	+249.22
04/14/10/59	GR +30.000	+42.338	+33.614	+37.683	+54.440	+194.18
04/14/12/32	GR +35.000	+58.291	+36.624	+43.209	+68.797	+174.84
04/14/15/35	GR +40.000	+67.271	+39.133	+48.736	+84.455	+127.46
04/14/17/20	GR +45.000	+76.743	+39.634	+54.263	+98.211	+127.43
04/14/21/29	GR +50.000	+83.224	+36.624	+60.797	+115.66	+117.55
04/14/24/45	GR +55.000	+82.726	+27.593	+74.361	+139.58	+105.19
04/14/26/04	GR +8.0000	+46774	+1.4935	+0.0000	+1.9231	-9.8430
ECF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17A UE X .1	SG17C UE X .1	SG17B UE X .1	H6 KIP/UE	H7 KIP/UE
04/13/58/43	GR +8.0000	+170278	-1.9941	-46826	+63.875	-947931
04/14/00/25	GR +10.000	-12.452	+11.080	+52685	+1081.0	-1159.9
04/14/02/40	GR +20.000	-26.931	+26.080	+1.5297	+500.60	-1438.8
04/14/09/28	GR +25.000	-34.919	+34.580	+1.0244	+471.13	+1616.7
04/14/11/03	GR +30.000	-42.408	+42.080	+1.5297	+390.55	+1352.3
04/14/12/37	GR +35.000	-58.396	+50.080	+1.0244	+241.24	+617.58
04/14/15/37	GR +40.000	-58.384	+58.580	+1.0244	+192.30	+472.37
04/14/17/23	GR +45.000	-66.872	+67.880	+52685	+150.27	+348.52
04/14/21/39	GR +50.000	-74.868	+75.080	+0.2926	+125.16	+281.97
04/14/24/54	GR +55.000	-83.641	+84.080	-46826	+105.48	+233.73
04/14/26/07	GR +8.0000	+170278	-1.4956	+1.5297	+19.545	+297.297
ECF						

Figure A2-80D: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1 -
CONDITION 22 (Continued)



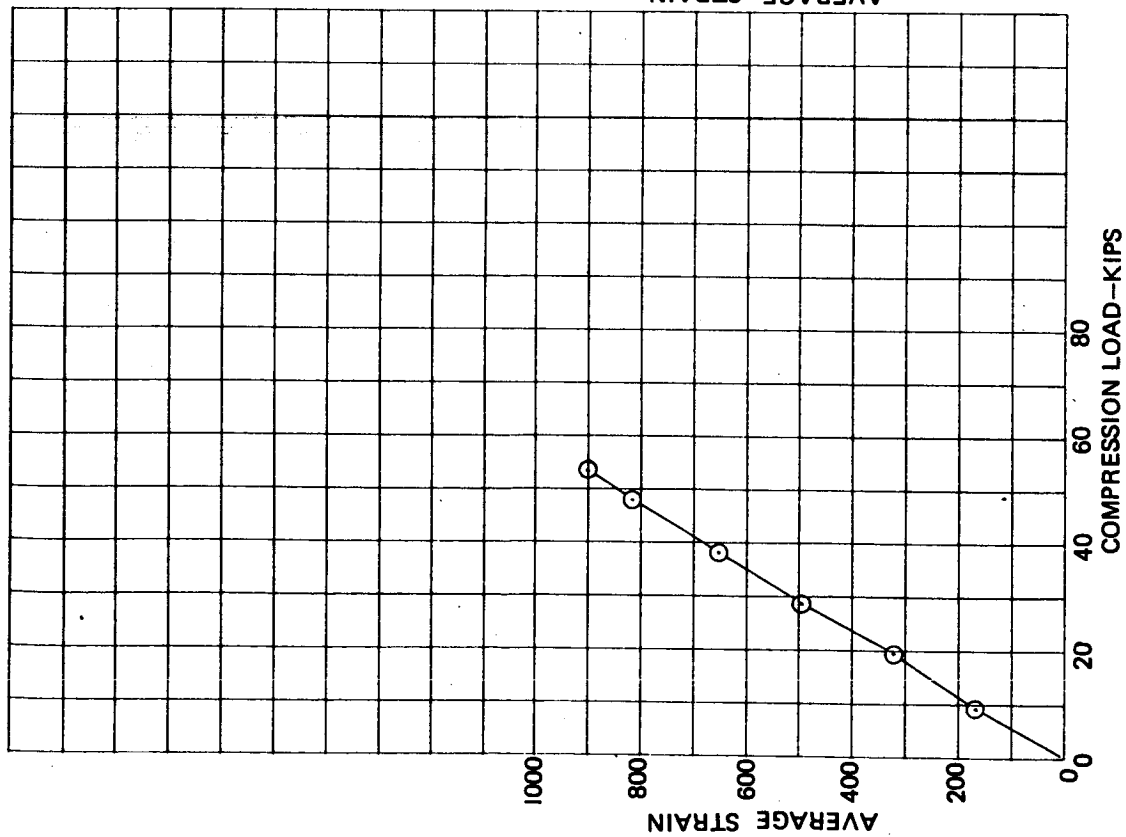


Figure A2-83: AVERAGE STRAIN VS COMPRESSION LOAD -
PANEL 2A-1P-1 - CONDITION 4

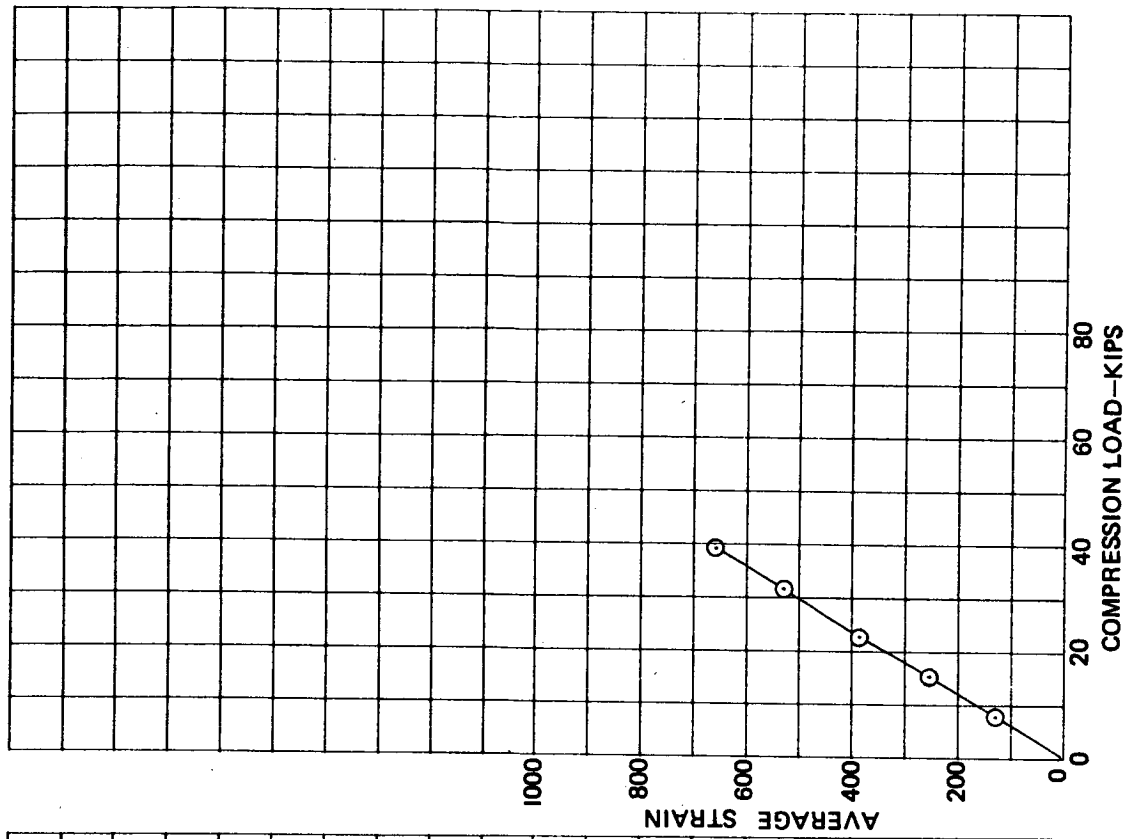


Figure A2-84: AVERAGE STRAIN VS COMPRESSION LOAD -
PANEL 2A-1P-1 - CONDITION 5

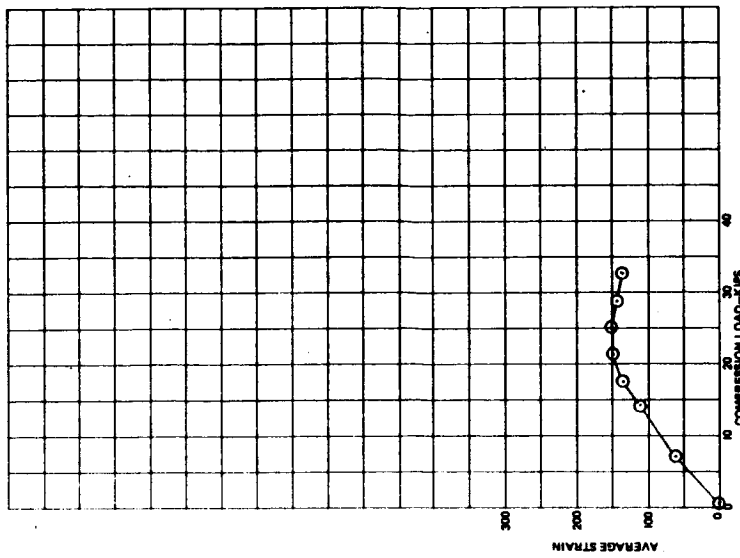


Figure A2-87: AVERAGE STRAIN VS
COMPRESSION LOAD-PANEL 2A-1-P-1 -
CONDITION 10

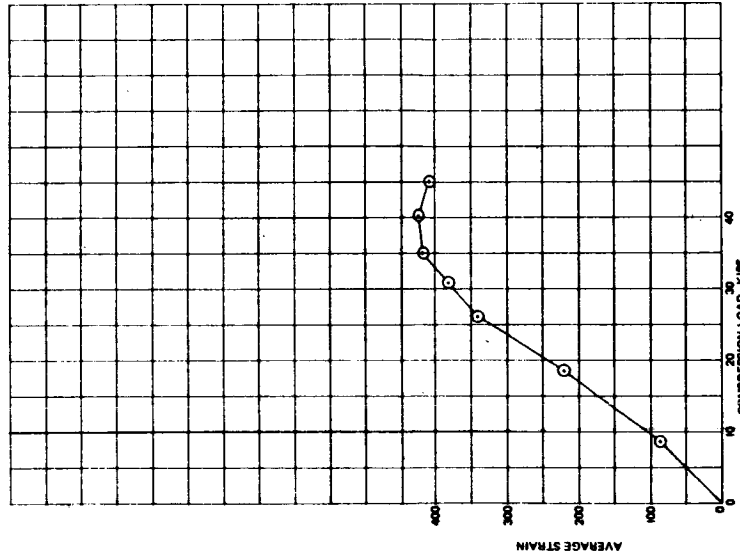


Figure A2-86: AVERAGE STRAIN VS
COMPRESSION LOAD-PANEL 2A-1-P-1 -
CONDITION 9

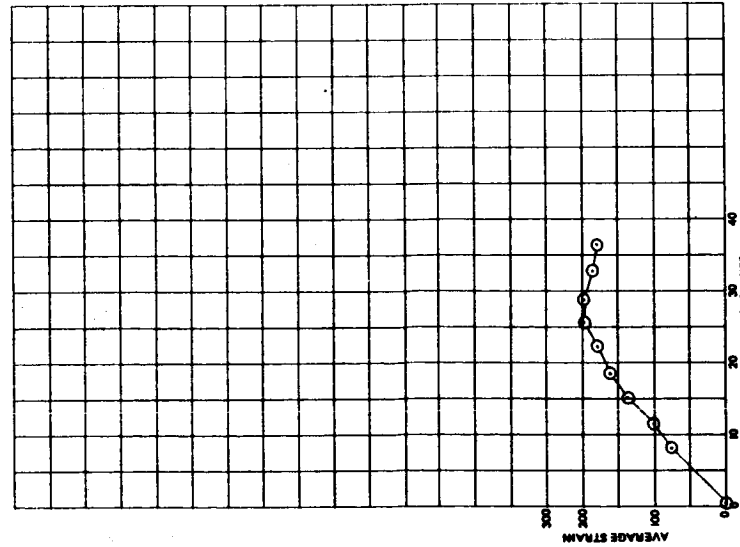


Figure A2-85: AVERAGE STRAIN VS
COMPRESSION LOAD-PANEL 2A-1-P-1 -
CONDITION 6

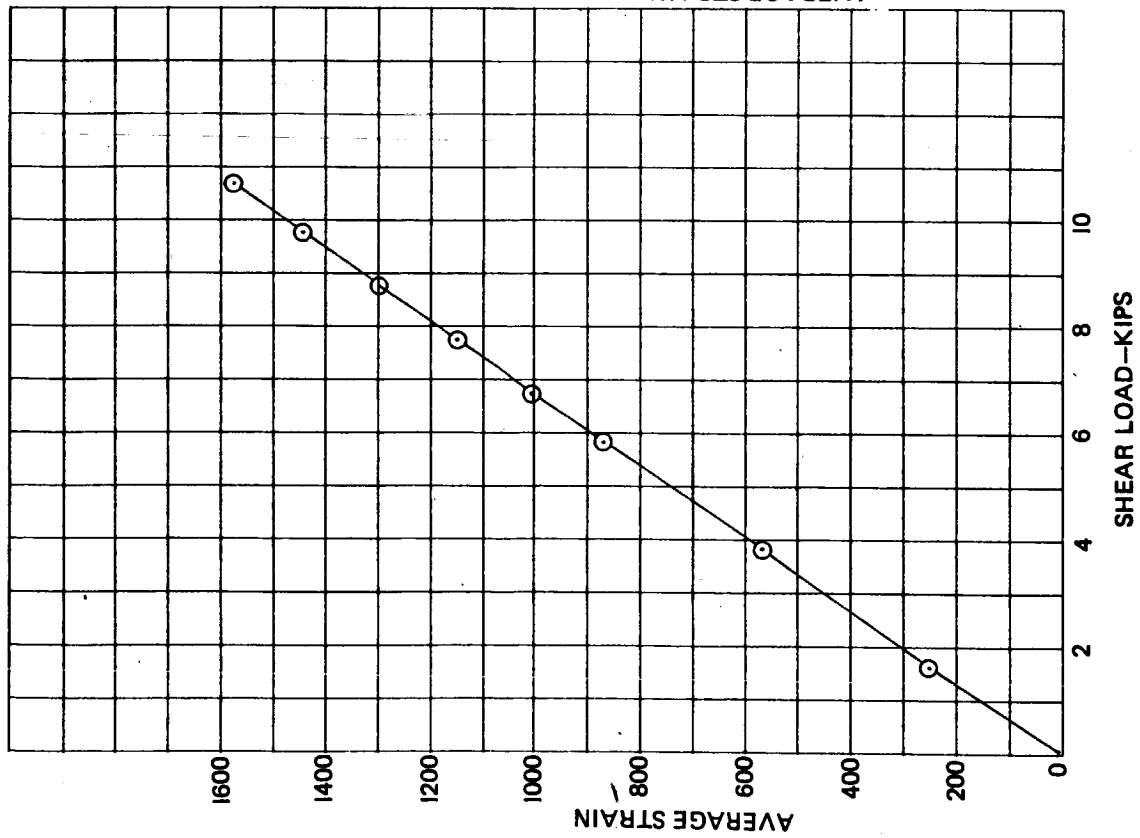


Figure A2-88: AVERAGE STRAIN VS SHEAR LOAD-
PANEL 2A-1-P.1 - CONDITION 2

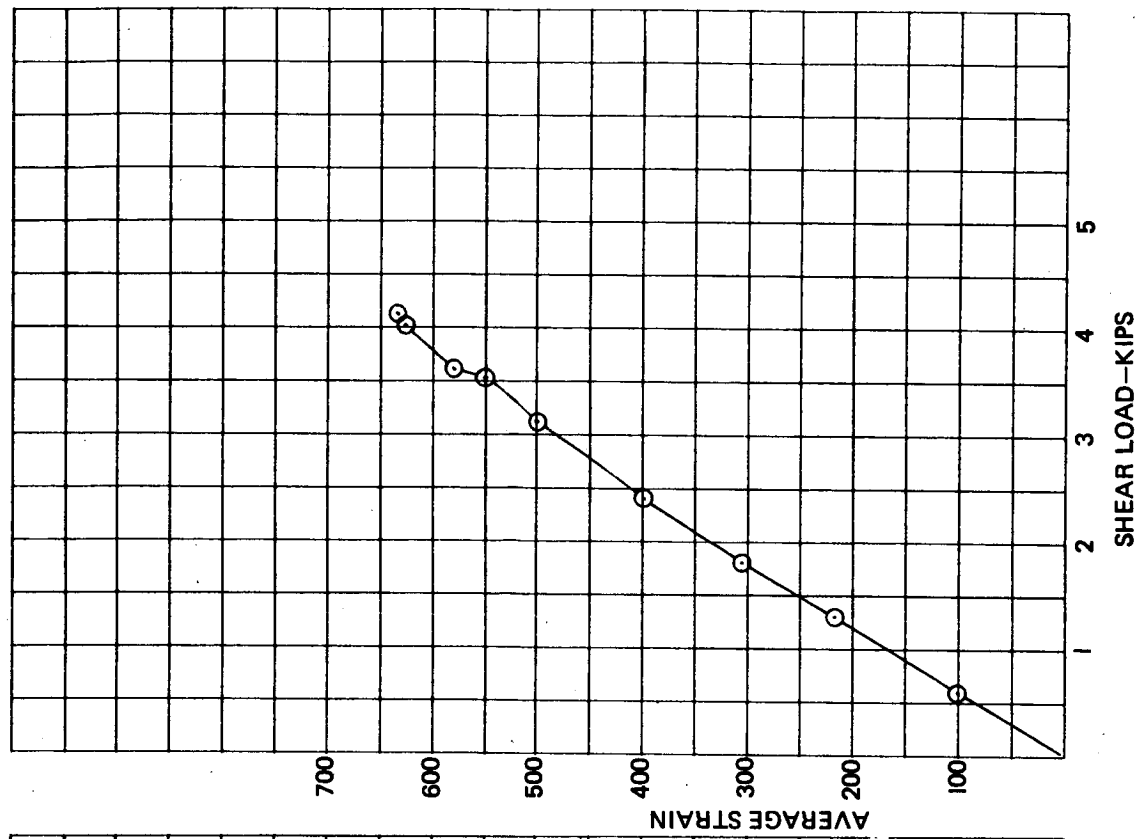
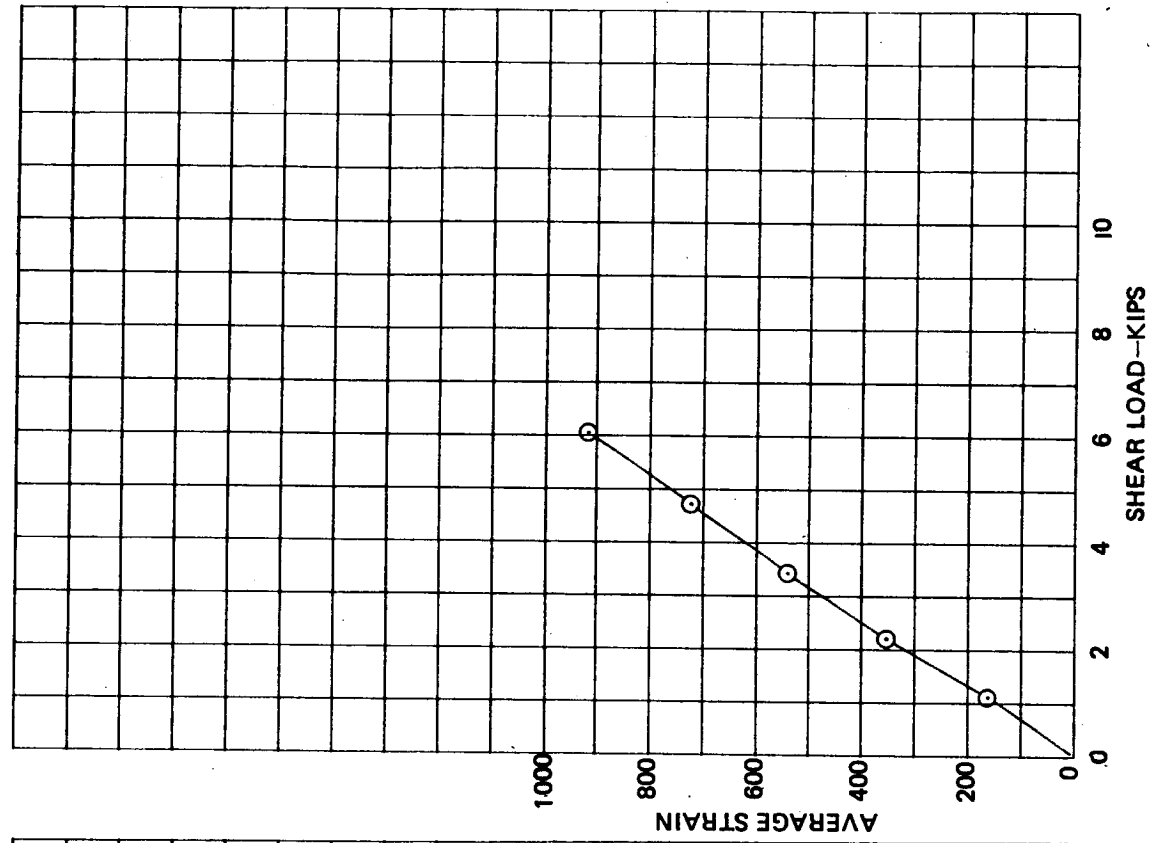
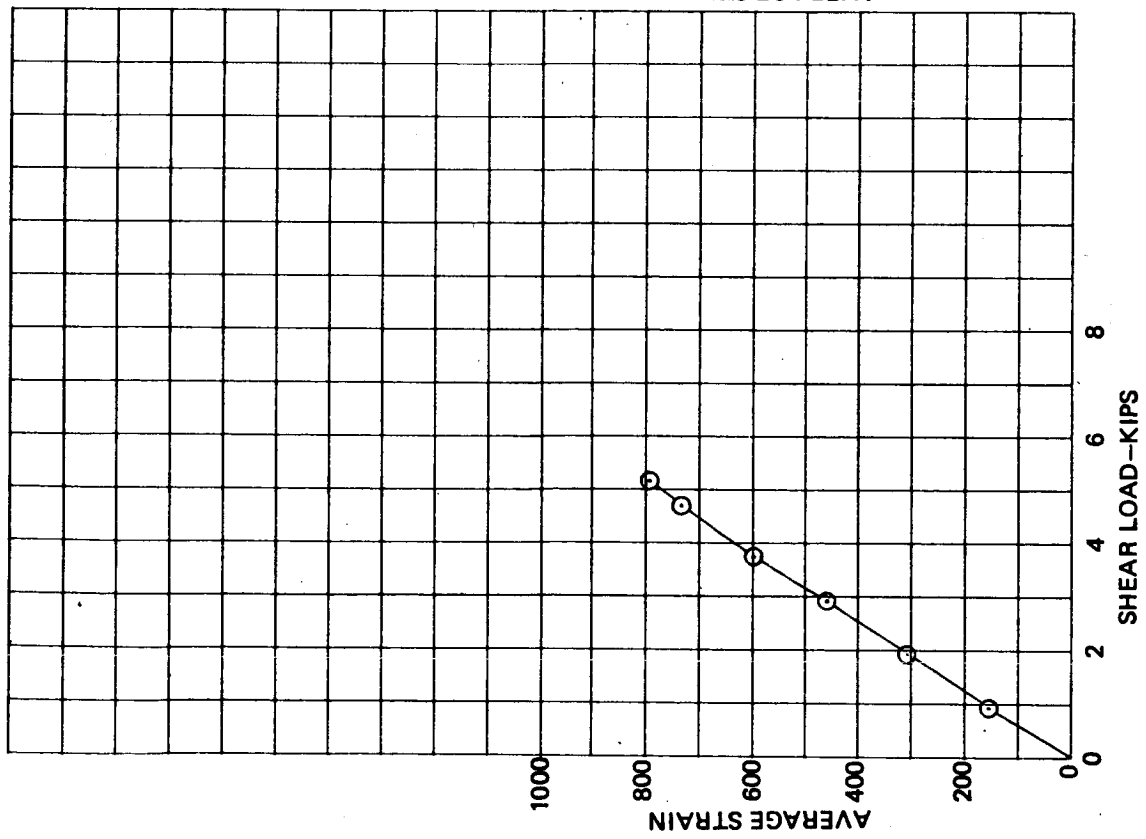


Figure A2-89: AVERAGE STRAIN VS SHEAR LOAD-
PANEL 2A-1-P.1 - CONDITION 3



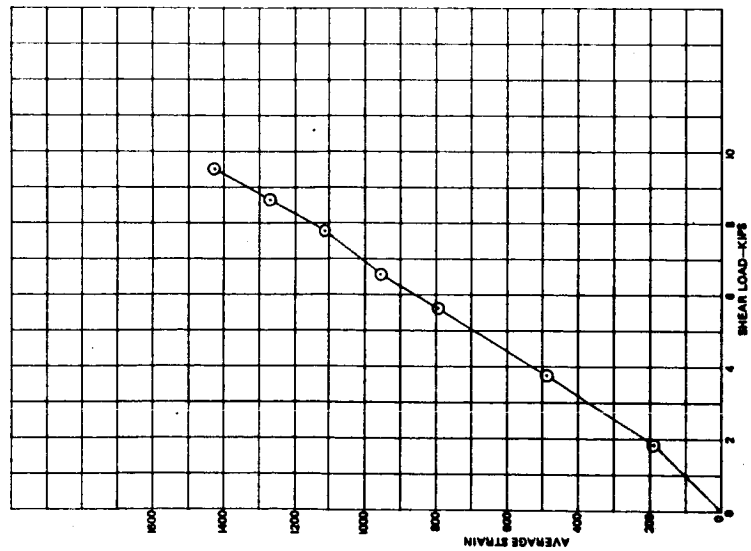


Figure A2-92: AVERAGE STRAIN VS SHEAR
LOAD-PANEL 2A-1P-1 - CONDITION 7

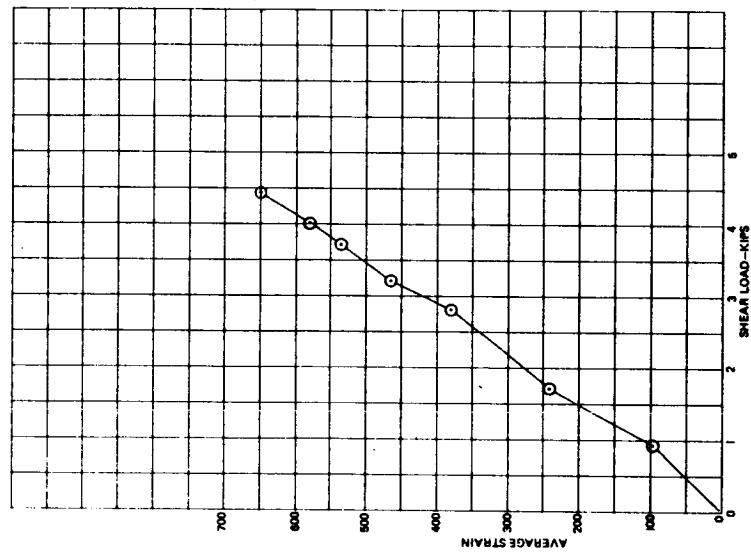


Figure A2-93: AVERAGE STRAIN VS SHEAR
LOAD-PANEL 2A-1P-1 - CONDITION 9

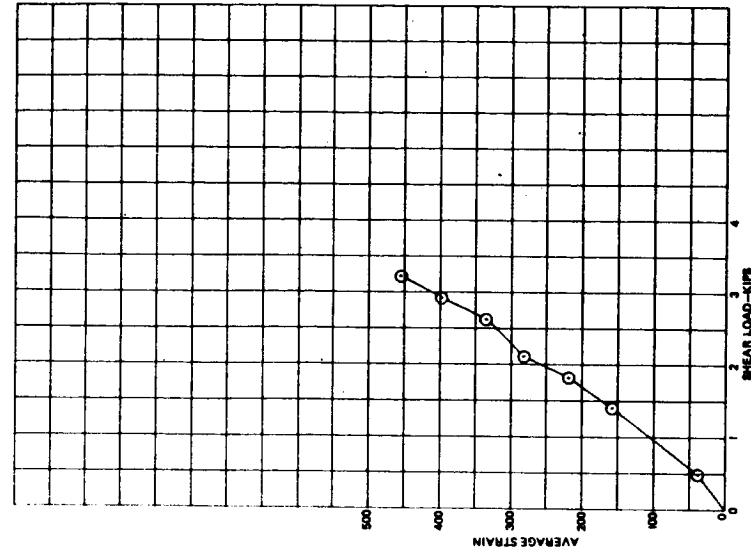


Figure A2-94: AVERAGE STRAIN VS SHEAR
LOAD-PANEL 2A-1P-1 - CONDITION 10

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG1A UF X .1	SG1B UF X .1	SG1C UF X .1	SG1D UF X .1	SG1E UF X .1	SG1F UF X .1
14/09/14/19	GR +0.000	-4.472	+5.292	+0.000	-3.464	+2.513	-4.467
14/09/16/36	GR +10.000	-4.938	-14.448	-5.510	-9.461	+19.079	+7.431
14/09/20/00	GR +20.000	-18.988	-31.423	-12.023	-13.450	-36.736	+14.896
14/09/23/26	GR +30.000	-16.369	-48.856	-18.536	-28.938	-98.394	-21.862
14/09/26/12	GR +40.000	-21.838	-65.374	-24.547	-28.927	-81.059	-38.818
14/09/29/13	GR +50.000	-26.798	-81.340	-30.559	-37.914	-101.72	-39.774
14/09/31/41	GR +55.000	-28.786	-88.340	-32.563	-42.487	-114.80	-44.740
14/09/34/53	GR +60.000	-30.276	-95.829	-34.567	-47.488	-127.39	-58.293
14/09/38/58	GR +65.000	-30.773	-102.81	-35.569	-53.391	-141.49	-56.601
14/09/41/48	GR +70.000	-30.276	-108.81	-35.569	-68.888	-154.59	-63.199
14/09/45/55	GR +75.000	-27.792	-111.80	-33.064	-69.867	-169.70	-72.185
14/09/49/22	GR +80.000	-22.824	-112.80	-28.555	-88.352	-184.81	-82.544
14/09/55/04	GR +85.000	-4.938	-100.82	-9.518	-102.81	-215.53	-99.999
14/09/56/55	GR +0.000	-4.467	-1.467	+1.000	-3.464	+2.016	+0.000
ECF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG2A UF X .1	SG2B UF X .1	SG2C UF X .1	SG2D UF X .1	SG2E UF X .1	SG2F UF X .1
14/09/14/19	GR +0.000	-1.001	+5.327	+5.532			
14/09/16/36	GR +10.000	-4.486	-13.444	-3.468			
14/09/20/00	GR +20.000	-0.472	-29.074	-8.968			
14/09/23/26	GR +30.000	-14.457	-44.585	-14.968			
14/09/26/12	GR +40.000	-18.944	-60.085	-19.968			
14/09/29/13	GR +50.000	-23.929	-74.613	-24.968			
14/09/31/41	GR +55.000	-25.923	-81.637	-27.468			
14/09/34/53	GR +60.000	-27.917	-88.641	-29.968			
14/09/38/58	GR +65.000	-29.912	-96.145	-31.968			
14/09/41/48	GR +70.000	-31.906	-103.146	-33.968			
14/09/45/55	GR +75.000	-33.401	-109.148	-35.968			
14/09/49/22	GR +80.000	-34.398	-115.19	-36.968			
14/09/55/04	GR +85.000	-35.394	-120.70	-37.968			
14/09/56/55	GR +0.000	-5.004	+5.327	+1.536			
ECF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG-A UF X .1	SG-B UF X .1	SG-C UF X .1	SG-D UF X .1	SG-E UF X .1	SG-F UF X .1
14/09/14/19	GR +0.000	+0.253	+4.403	+0.253	+0.253		
14/09/16/36	GR +10.000	-11.371	-11.600	-13.580	-15.999		
14/09/20/00	GR +20.000	-26.186	-25.673	-27.563	-28.888		
14/09/23/26	GR +30.000	-41.001	-48.075	-40.791	-42.087		
14/09/26/12	GR +40.000	-55.437	-54.018	-54.018	-56.123		
14/09/29/13	GR +50.000	-69.873	-67.624	-68.001	-70.162		
14/09/31/41	GR +55.000	-77.098	-74.476	-74.476	-76.612		
14/09/34/53	GR +60.000	-85.068	-81.607	-81.607	-84.208		
14/09/38/58	GR +65.000	-92.286	-89.146	-88.788	-91.488		
14/09/41/48	GR +70.000	-99.124	-95.948	-95.212	-97.898		
14/09/45/55	GR +75.000	-106.72	-102.77	-102.01	-105.86		
14/09/49/22	GR +80.000	-112.79	-108.81	-108.44	-111.13		
14/09/55/04	GR +85.000	-119.63	-115.42	-116.37	-119.48		
14/09/56/55	GR +0.000	+4.174	+1.914	+0.253	-7.133		
ECF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	EDI-20 INCHES X1000	EDI-21 INCHES X1000	EDI-18 INCHES X1000	EDI-19 INCHES X1000	EDI-16 INCHES X1000	EDI-17 INCHES X1000
14/09/14/19	GR +0.000	-1.492	+0.813	+0.862	-3.029	+0.812	+0.893
14/09/16/36	GR +10.000	-1.035	+0.050	-0.758	-3.029	+0.813	-4.758
14/09/20/00	GR +20.000	-1.071	+0.813	+0.537	-3.029	+1.089	-2.337
14/09/23/26	GR +30.000	-1.036	+3.092	+0.537	-3.029	+3.086	-4.758
14/09/26/12	GR +40.000	-2.264	+5.370	+3.303	-3.029	+6.089	-4.758
14/09/29/13	GR +50.000	-1.721	+9.934	+8.178	+6.338	+12.332	+1.444
14/09/31/41	GR +55.000	+1.574	+12.982	+11.428	+9.484	+16.937	+4.834
14/09/34/53	GR +60.000	+0.720	+17.546	+17.928	+15.769	+22.310	+8.829
14/09/38/58	GR +65.000	+0.958	+23.672	+26.866	+24.414	+28.451	+14.306
14/09/41/48	GR +70.000	+16.818	+31.240	+38.241	+34.638	+36.894	+21.548
14/09/45/55	GR +75.000	+14.340	+43.412	+56.928	+52.786	+49.175	+34.318
14/09/49/22	GR +80.000	+25.789	+68.148	+81.303	+77.068	+67.597	+50.246
14/09/55/04	GR +85.000	+97.612	+111.11	+158.36	+144.69	+117.65	+96.475
14/09/56/55	GR +0.000	+0.958	+2.347	+4.928	+5.552	+0.812	+5.631
ECF							

Figure A2-95A: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 1
(100 PERCENT LOAD = 101 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG4 UF X .1	SG104 UF X .1	SG5 UE X .1	SG105 UF X .1	SG7 UE X .1	SG107 UF X .1
14/09/14/30	NR +0.0000	+5.3229	-4.8163	+0.02539	+5.3417	+5.1025	+5.58890
14/09/16/30	NR +10.000	-11.531	-15.281	-3.0200	-3.0253	-12.246	-11.713
14/09/20/06	NR +20.000	-25.316	-31.951	-6.0654	-9.4367	-25.002	-24.485
14/09/23/25	NR +30.000	-47.987	-49.746	-10.125	-14.792	-37.758	-36.667
14/09/26/10	NR +40.000	-68.151	-63.420	-15.708	-23.875	-50.515	-49.309
14/09/29/16	NR +50.000	-81.808	-77.155	-21.292	-32.052	-63.271	-61.692
14/09/31/40	NR +55.000	-87.381	-83.215	-24.337	-38.115	-69.394	-67.294
14/09/34/59	NR +60.000	-92.452	-90.859	-28.085	-43.708	-76.097	-73.885
14/09/39/01	NR +65.000	-98.027	-98.442	-32.458	-50.898	-82.661	-79.996
14/09/41/51	NR +70.000	-102.588	-106.35	-35.584	-57.439	-89.294	-86.047
14/09/45/53	NR +75.000	-106.641	-114.48	-37.534	-65.069	-95.997	-92.199
14/09/49/26	NR +80.000	-108.678	-122.80	-38.549	-73.204	-100.92	-98.709
14/09/55/02	NR +85.000	-107.150	-136.51	-31.443	-98.495	-108.17	-105.02
14/09/56/51	NR +0.0000	-1.98828	-1.98974	+0.02539	-1.4291	+0.0000	-1.58830
FCF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG8 UF X .1	SG108 UF X .1	SG9 UF X .1	SG109 UF X .1	SG10 UF X .1	SG110 UF X .1
14/09/14/30	NR +0.0000	-2.0410	+0.0000	-1.48095	+5.50585	+0.02685	+0.02685
14/09/16/30	NR +10.000	-12.246	-12.711	-14.692	-14.669	-12.195	-13.105
14/09/20/06	NR +20.000	-26.063	-29.038	-30.935	-33.892	-26.964	-28.999
14/09/23/25	NR +30.000	-42.391	-43.707	-48.192	-52.103	-41.733	-46.290
14/09/26/10	NR +40.000	-58.168	-59.076	-64.434	-72.043	-56.582	-62.593
14/09/29/16	NR +50.000	-72.964	-73.845	-80.676	-94.089	-70.742	-79.386
14/09/31/40	NR +55.000	-80.109	-80.975	-87.782	-105.21	-77.383	-86.495
14/09/34/59	NR +60.000	-86.741	-89.123	-95.903	-116.09	-84.513	-96.087
14/09/39/01	NR +65.000	-94.909	-97.271	-109.50	-129.50	-90.624	-104.93
14/09/41/51	NR +70.000	-101.54	-104.40	-108.08	-142.49	-96.226	-114.79
14/09/45/53	NR +75.000	-107.19	-112.45	-111.63	-157.32	-99.791	-124.85
14/09/49/26	NR +80.000	-111.74	-120.49	-112.14	-172.49	-101.31	-135.95
14/09/55/02	NR +85.000	-114.80	-133.13	-101.48	-194.97	-100.81	-161.81
14/09/56/51	NR +0.0000	-2.0410	-1.50977	-1.4960	-2.0234	+0.02685	+0.02685
FCF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG11A UF X .1	SG11B UF X .1	SG11C UF X .1	SG11A UF X .1	SG11B UF X .1	SG11C UF X .1
14/09/14/19	NR +0.0000	-2.0107	+1.8243	+0.02800	+5.50832	-3.4780	+2.9063
14/09/16/30	NR +10.000	-13.5190	-19.471	-3.0034	-4.4648	-17.084	-3.0044
14/09/20/06	NR +20.000	-27.5512	-33.471	-8.8571	-10.955	-39.033	-8.9605
14/09/23/26	NR +30.000	-45.080	-50.471	-13.118	-17.449	-57.583	-14.101
14/09/26/12	NR +40.000	-60.187	-66.971	-17.659	-23.936	-77.121	-19.680
14/09/29/13	NR +50.000	-75.134	-83.471	-22.712	-30.426	-96.198	-25.745
14/09/31/41	NR +55.000	-82.647	-90.971	-24.734	-33.492	-105.67	-28.271
14/09/34/53	NR +60.000	-88.161	-98.971	-26.258	-35.918	-115.19	-30.243
14/09/38/58	NR +65.000	-91.660	-107.47	-28.271	-38.914	-124.91	-32.890
14/09/41/48	NR +70.000	-93.177	-114.07	-30.293	-41.410	-131.93	-34.881
14/09/45/95	NR +75.000	-94.685	-121.47	-30.798	-43.407	-142.74	-36.387
14/09/49/22	NR +80.000	-95.696	-127.07	-31.304	-45.404	-149.76	-37.894
14/09/55/04	NR +85.000	-96.696	-134.47	-29.788	-45.984	-157.27	-36.397
14/09/56/95	NR +0.0000	+0.0000	-2.9716	+3.9926	-3.4663	+4.7314	+0.02800
FCF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1
14/09/14/19	NR +0.0000	-1.90851	+5.52800	+5.52920	+1.5292	+5.0000	+0.02999
14/09/16/30	NR +10.000	-4.47936	-15.471	-4.8794	-1.9814	-14.000	-4.4575
14/09/20/06	NR +20.000	-9.0853	-33.471	-10.491	-7.5107	-30.500	-9.4498
14/09/23/26	NR +30.000	-14.978	-51.471	-16.507	-13.040	-46.000	-13.999
14/09/26/12	NR +40.000	-19.978	-69.971	-23.019	-17.964	-62.500	-17.917
14/09/29/13	NR +50.000	-24.963	-87.471	-29.528	-23.094	-76.500	-22.983
14/09/31/41	NR +55.000	-26.980	-95.971	-32.534	-25.104	-83.500	-24.007
14/09/34/53	NR +60.000	-28.997	-104.47	-35.039	-27.119	-91.000	-27.300
14/09/38/58	NR +65.000	-30.994	-113.47	-38.044	-29.628	-99.000	-29.882
14/09/41/48	NR +70.000	-32.951	-121.07	-41.050	-31.639	-106.50	-31.378
14/09/45/95	NR +75.000	-33.976	-129.07	-43.054	-33.650	-114.50	-32.874
14/09/49/22	NR +80.000	-34.948	-136.47	-46.561	-35.170	-120.00	-34.868
14/09/55/04	NR +85.000	-34.948	-143.07	-48.565	-37.169	-127.99	-36.363
14/09/56/95	NR +0.0000	+5.0000	+0.02800	+1.5292	+0.02999	-1.90999	+0.02999
FCF							

Figure A2-95B: TABULATED TRANSDUCER DATA-PANEL 2A-1P-1M-CONDITION 1
(Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG12A UF X .1	SG1PC UF X .1	SG12B UF X .1	SG112B UF X .1	R8 KIP/UF	R10 KIP/UF
14/09/14/15	NR +0.0000	-4.47119	+0.02743	+0.00000	+0.02783	-611.91	+47.343
14/09/16/34	NR +10.000	-5.95590	-1.4813	-14.479	-15.948	+251.86	+285.45
14/09/19/58	NR +20.000	-13.931	-6.0141	-31.953	-35.420	+254.30	+293.82
14/09/23/20	NR +30.000	-21.409	-10.549	-49.926	-56.389	+230.68	+276.43
14/09/26/07	NR +40.000	-28.887	-15.545	-67.401	-77.857	+234.15	+279.43
14/09/29/21	NR +50.000	-34.870	-20.118	-83.377	-99.126	+247.61	+281.19
14/09/31/36	NR +55.000	-38.858	-22.113	-90.367	-110.80	+238.94	+278.44
14/09/34/56	NR +60.000	-42.846	-24.147	-97.357	-123.29	+247.18	+287.43
14/09/38/54	NR +65.000	-45.837	-26.142	-103.34	-134.77	+252.80	+294.45
14/09/41/46	NR +70.000	-48.829	-28.177	-107.34	-150.75	+260.57	+305.05
14/09/45/57	NR +75.000	-50.823	-30.121	-108.84	-167.72	+270.45	+319.41
14/09/49/28	NR +80.000	-52.817	-31.703	-105.34	-187.19	+281.17	+330.49
14/09/55/00	NR +85.000	-53.315	-36.215	-86.373	-224.14	+367.13	+458.42
14/09/56/58	NR +0.0000	-1.4682	+2.0007	-1.4980	-1.9692	-990.51	-647.88
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG112A UF X .1	SG112B UF X .1	SG12B UF X .1	SG112B UF X .1	R9 KIP/UF	R11 KIP/UF
14/09/14/15	NR +0.0000	+5.2783	-4.6972	+0.0000	+0.02783	+992.42	+43.642
14/09/16/34	NR +10.000	-1.9771	-5.4483	-14.479	-15.948	+238.78	+263.46
14/09/19/58	NR +20.000	-10.472	-11.416	-31.953	-35.420	+234.51	+268.44
14/09/23/20	NR +30.000	-16.472	-17.346	-49.926	-56.389	+214.81	+244.82
14/09/26/07	NR +40.000	-22.472	-23.844	-67.401	-77.857	+208.50	+238.90
14/09/29/21	NR +50.000	-27.972	-30.373	-83.377	-99.126	+208.40	+237.74
14/09/31/36	NR +55.000	-30.972	-32.811	-90.367	-110.80	+201.83	+229.83
14/09/34/56	NR +60.000	-34.472	-36.701	-97.357	-123.29	+201.39	+228.42
14/09/38/54	NR +65.000	-36.972	-39.776	-103.34	-134.77	+197.49	+224.95
14/09/41/46	NR +70.000	-39.972	-43.747	-107.34	-150.75	+191.89	+219.42
14/09/45/57	NR +75.000	-42.972	-46.742	-108.84	-167.72	+184.29	+209.45
14/09/49/28	NR +80.000	-45.972	-50.225	-105.34	-187.19	+177.30	+198.47
14/09/55/00	NR +85.000	-49.472	-54.703	-86.373	-224.14	+154.78	+176.45
14/09/56/58	NR +0.0000	-4.7216	-4.6972	-1.4980	-1.9692	-784.79	-492.43
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG11 UF X .1	SG111 UF X .1	R4 LRS X .1 /UE	SG6 UF X .1	SG106 UF X .1	R5 LRS X .1 /UE
14/09/14/30	NR +0.0000	+1.0131	+0.02743	+2.2265	-4.48193	+5.3369	+2.1640
14/09/16/30	NR +10.000	-14.744	-15.684	+101.44	-18.754	-18.753	+1958.0
14/09/20/06	NR +20.000	-14.581	-34.447	+138.1	-48.072	-43.117	+62.385
14/09/23/25	NR +30.000	-33.397	-33.606	+1014.2	-61.897	-65.450	+85.446
14/09/26/10	NR +40.000	-73.238	-72.449	+518.37	-82.708	-89.386	+56.076
14/09/29/16	NR +50.000	-93.063	-91.242	+270.12	-102.50	-111.16	+47.191
14/09/31/40	NR +55.000	-102.72	-99.818	+189.25	-111.13	-124.83	+48.148
14/09/34/59	NR +60.000	-112.38	-109.15	+291.44	-121.28	-137.92	+37.647
14/09/39/01	NR +65.000	-123.06	-119.07	+164.06	-129.91	-150.77	+31.441
14/09/41/51	NR +70.000	-132.73	-127.49	+140.32	-137.92	-162.90	+27.803
14/09/45/53	NR +75.000	-142.39	-136.11	+124.00	-144.63	-174.10	+23.943
14/09/49/26	NR +80.000	-151.54	-143.40	+98.471	-140.70	-184.78	+20.568
14/09/55/02	NR +85.000	-161.71	-152.02	+88.055	-151.76	-202.49	+17.519
14/09/56/51	NR +0.0000	-1.5208	-4.0248	-11.311	-3.0199	-1.4965	+18.648
EOF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG1 UF X .1	SG101 UF X .1	SG2 UF X .1	SG102 UF X .1	SG3 UF X .1	SG103 UF X .1
14/09/14/30	NR +0.0000	+5.3369	+0.0000	+0.0499	+1.0166	+0.2539	+0.0000
14/09/16/30	NR +10.000	-2.0124	-3.8615	-1.5078	-2.5612	-18.440	-21.847
14/09/20/06	NR +20.000	-7.1054	-7.1415	-4.5737	-7.6538	-43.061	-47.244
14/09/23/25	NR +30.000	-18.161	-18.715	-9.1728	-11.225	-67.169	-73.749
14/09/26/10	NR +40.000	-14.744	-15.377	-13.260	-16.838	-98.765	-99.694
14/09/29/16	NR +50.000	-20.855	-20.410	-19.395	-23.471	-111.84	+125.61
14/09/31/40	NR +55.000	-23.489	-23.471	-21.947	-27.643	-124.10	-138.82
14/09/34/59	NR +60.000	-25.948	-26.513	-25.013	-30.104	-135.90	-152.46
14/09/39/01	NR +65.000	-28.022	-29.504	-28.079	-34.187	-144.67	-165.78
14/09/41/51	NR +70.000	-32.569	-32.646	-31.656	-38.779	-154.42	-180.02
14/09/45/53	NR +75.000	-35.115	-35.717	-34.722	-44.392	-164.65	-193.64
14/09/49/26	NR +80.000	-38.171	-38.779	-37.788	-50.084	-172.83	-209.06
14/09/55/02	NR +85.000	-40.717	-42.841	-38.298	-58.679	-180.81	-219.40
14/09/56/51	NR +0.0000	+0.2441	+0.0000	+0.0499	+1.0166	+0.2539	-1.8190
EOF							

Figure A2-95C : TABULATED TRANSDUCER DATA—PANEL 2A-1P-1M—CONDITION 1
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	ED1-01 INCHES X100	ED1-03 INCHES X100	LPP PSIG X100
14/09/14/15	GR +0.0000	+0.03027	+0.03076	+0.00634	+0.35285	+0.1.334	+0.0000
14/09/16/34	GR +10.000	+4.7421	+4.3242	+0.00634	+0.02099	+0.4082	+0.0000
14/09/19/30	GR +20.000	+0.9259	+10.555	+0.00634	+0.02099	+11.638	+0.0000
14/09/23/20	GR +30.000	+14.637	+13.206	+0.00634	+0.02099	+11.638	+1.4140
14/09/26/07	GR +40.000	+19.820	+20.046	+0.00634	+0.02099	+13.577	+0.0000
14/09/29/21	GR +50.000	+25.474	+25.314	+0.00634	+0.35285	+15.517	+0.63790
14/09/31/36	GR +55.000	+27.396	+27.292	+0.00634	+1.3442	+7.7333	+0.63790
14/09/34/36	GR +60.000	+29.715	+31.049	+0.00634	+1.6792	+7.7333	+1.4140
14/09/38/34	GR +65.000	+32.545	+33.494	+0.00634	+2.4674	+7.7333	+1.4140
14/09/41/46	GR +70.000	+35.366	+35.649	+0.00634	+3.4601	+7.7333	+0.63790
14/09/45/57	GR +75.000	+37.254	+38.104	+0.00634	+5.6450	+7.7333	+1.4140
14/09/49/28	GR +80.000	+39.610	+40.540	+0.00634	+8.2919	+7.7333	+0.0000
14/09/53/00	GR +85.000	+42.904	+42.945	+0.00634	+15.230	+7.7333	+0.0000
14/09/56/58	GR +0.0000	-1.44091	-3.3348	+2.0654	+0.02099	+27.155	+0.0000
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC17B UE X .1	SC112B UE X .1	R1 LRS/UE	SC119B UE X .1	SC119B UE X .1	R2 LRS/UE
14/09/14/18	GR +0.0000	+0.0000	+0.02743	+1999.2	+0.03076	+0.0000	-1134.9
14/09/16/33	GR +10.000	-15.000	-15.972	+976.29	-14.497	+17.091	+369.02
14/09/19/37	GR +20.000	-12.500	-35.972	+587.03	-32.432	-17.190	+436.03
14/09/23/22	GR +30.000	-40.500	-56.972	+461.21	-91.060	-99.316	+361.01
14/09/26/05	GR +40.000	-47.500	-77.972	+384.90	-68.603	-80.932	+330.10
14/09/29/14	GR +50.000	-22.500	-98.972	+307.71	-84.434	-107.94	+289.05
14/09/31/43	GR +55.000	-09.000	-109.47	+279.06	-92.449	-114.10	+259.09
14/09/34/35	GR +60.000	-07.500	-123.47	+233.42	-101.16	-124.47	+239.44
14/09/39/00	GR +65.000	-103.50	-136.47	+199.64	-104.10	-130.94	+204.43
14/09/41/30	GR +70.000	-107.50	-150.47	+164.40	-113.60	-157.31	+189.44
14/09/45/49	GR +75.000	-104.50	-167.47	+129.00	-117.69	-164.38	+159.46
14/09/49/25	GR +80.000	-106.00	-187.47	+98.785	-114.90	-181.97	+129.00
14/09/54/38	GR +85.000	-106.500	-225.47	+62.017	-103.67	-200.11	+81.735
14/09/56/49	GR +0.0000	-1.5000	-2.4741	-295.12	-1.4721	-1.9292	+296.02
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC17A UE X .1	SC117C UE X .1	SC17C UE X .1	SC117B UE X .1	R3 LRS/UE	R4 LRS/UE
14/09/14/18	GR +0.0000	+0.49909	+0.03125	+0.03076	+0.0000	-974.38	
14/09/16/33	GR +10.000	-4.4780	-5.4744	-5.9604	-6.4589	+384.92	
14/09/19/37	GR +20.000	-11.941	-11.401	-11.951	-15.401	+910.89	
14/09/23/22	GR +30.000	-17.414	-17.532	-17.443	-23.847	+464.35	
14/09/26/05	GR +40.000	-23.889	-25.518	-23.934	-32.790	+594.24	
14/09/29/14	GR +50.000	-28.858	-32.512	-28.926	-42.230	+514.90	
14/09/31/43	GR +55.000	-30.848	-36.540	-30.923	-47.190	+511.80	
14/09/34/35	GR +60.000	-32.838	-41.549	-32.421	-53.160	+541.41	
14/09/39/00	GR +65.000	-33.336	-47.541	-33.919	-59.619	+520.76	
14/09/41/30	GR +70.000	-33.336	-53.573	-33.919	-66.070	+544.37	
14/09/45/49	GR +75.000	-31.346	-61.548	-31.422	-76.511	+561.49	
14/09/49/25	GR +80.000	-26.370	-71.147	-25.431	-87.441	+525.00	
14/09/54/38	GR +85.000	-17.0560	-87.649	-8.4565	-109.30	+407.94	
14/09/56/49	GR +0.0000	+0.0000	-1.47119	-1.46826	-1.99369	-280.60	
ECF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC17A UE X .1	SC17C UE X .1	SC17B UE X .1	R6 KIP/UE	R7 KIP/UE	
14/09/14/15	GR +0.0000	+0.02978	-1.46777	+0.02978	-312.83	-444.56	
14/09/16/34	GR +10.000	-4.4677	-5.9449	-13.496	+102.89	+193.15	
14/09/19/38	GR +20.000	-11.013	-11.414	-31.030	+100.17	+150.26	
14/09/23/20	GR +30.000	-18.040	-17.384	-50.067	+98.874	+134.31	
14/09/26/07	GR +40.000	-24.063	-23.345	-68.103	+89.023	+133.93	
14/09/29/21	GR +50.000	-29.083	-28.878	-85.637	+98.146	+134.22	
14/09/31/36	GR +55.000	-32.094	-30.331	-94.153	+88.114	+132.17	
14/09/34/36	GR +60.000	-35.608	-33.804	-109.67	+89.942	+134.91	
14/09/38/34	GR +65.000	-38.118	-36.202	-111.10	+98.179	+135.87	
14/09/41/46	GR +70.000	-40.176	-38.242	-119.20	+98.761	+134.14	
14/09/45/57	GR +75.000	-41.632	-39.774	-124.21	+90.860	+134.49	
14/09/49/28	GR +80.000	-43.138	-40.272	-132.72	+91.830	+137.74	
14/09/53/00	GR +85.000	-42.636	-40.272	-139.24	+93.740	+140.41	
14/09/56/58	GR +0.0000	-1.4838	-1.96513	+1.52685	+1097.3	+1642.5	
ECF							

Figure A2-95D: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 1
(Continued)

TIME IN DAY/MR/HN/SFC	PER CENT LOAD	SG1RA UF X .1	SG1RH UF X .1	SG1RC UF X .1	SG1RAA UF X .1	SG1RAR UF X .1	SG1RBF UF X .1
14/10/02/19	RR +0.0000	-4.6728	-2.4643	+0.8000	-3.4648	+1.0234	-9.6484
14/10/09/20	RR +10.000	-12.887	-1.9672	+13.592	-14.448	+1.4200	+10.525
14/10/11/40	RR +20.000	-25.809	-1.9672	+29.198	-29.496	+2.0166	+24.566
14/10/14/02	RR +30.000	-38.226	-1.9672	+43.797	-43.989	+3.0097	+37.084
14/10/16/24	RR +35.000	-44.684	-1.4677	+51.852	-51.394	+4.0029	+44.505
14/10/19/31	RR +40.000	-50.646	-9.6875	+61.417	-59.382	+4.4995	+53.188
14/10/22/04	RR +45.000	-56.111	-9.6875	+69.975	-66.871	+4.0960	+60.619
14/10/24/57	RR +50.000	-62.073	-9.6875	+79.548	-75.359	+5.0892	+68.130
14/10/27/57	RR +55.000	-66.048	-9.6875	+89.608	-83.846	+7.4790	+75.140
14/10/32/32	RR +60.000	-70.022	-1.4677	+99.676	-92.833	+8.0687	+81.629
14/10/37/44	RR +65.000	-70.519	-2.9688	+112.76	-103.81	+11.451	+90.687
14/10/43/21	RR +70.000	-64.557	-6.9509	+132.90	-121.29	+17.410	+98.189
14/10/46/35	RR +72.000	-61.648	-12.441	+153.03	-137.76	+26.349	+94.684
14/10/48/55	RR +0.0000	-4.6728	-1.4677	+0.0000	-1.4716	+0.0076	-1.4694
FCF							
TIME IN DAY/MR/HN/SFC	PER CENT LOAD	SG2RA UF X .1	SG2RH UF X .1	SG2RC UF X .1			
14/10/02/19	RR +0.0000	+0.0000	-4.6923	+1.0351			
14/10/09/20	RR +10.000	-0.9707	+5.3271	+11.570			
14/10/11/40	RR +20.000	-21.939	+5.3271	+24.615			
14/10/14/02	RR +30.000	-33.908	-4.6923	+36.154			
14/10/16/24	RR +35.000	-39.882	-4.6923	+42.676			
14/10/19/31	RR +40.000	-46.363	+0.3173	+49.199			
14/10/22/04	RR +45.000	-51.847	+0.3173	+55.721			
14/10/24/57	RR +50.000	-57.838	+0.3173	+62.243			
14/10/27/57	RR +55.000	-63.812	+0.3173	+68.765			
14/10/32/32	RR +60.000	-68.797	+5.3271	+74.786			
14/10/37/44	RR +65.000	-74.281	+5.3271	+81.308			
14/10/43/21	RR +70.000	-79.267	+5.3271	+87.830			
14/10/46/35	RR +72.000	-82.258	+1.0351	+91.844			
14/10/48/55	RR +0.0000	-1.0014	-1.4711	+1.0351			
FCF							
TIME IN DAY/MR/HN/SFC	PER CENT LOAD	SG-A UF X .1	SG-R UF X .1	SG-C UF X .1	SG-D UF X .1		
14/10/02/19	RR +0.0000	+0.02539	+0.78173	+0.02539	-0.71339		
14/10/09/20	RR +10.000	+0.02539	+1.5340	-0.35253	-1.1197		
14/10/11/40	RR +20.000	+0.0424	+2.2944	-0.73046	-1.4921		
14/10/14/02	RR +30.000	+0.02539	+1.1506	-1.1083	-1.4091		
14/10/16/24	RR +35.000	+0.02539	+1.1506	-1.1083	-1.8715		
14/10/19/31	RR +40.000	+0.02539	+1.9140	-0.73046	-1.8715		
14/10/22/04	RR +45.000	+0.02539	+1.9140	-1.1083	-1.4921		
14/10/24/57	RR +50.000	+0.02539	+1.5340	-0.73046	-1.8715		
14/10/27/57	RR +55.000	+0.02539	+1.1506	-1.1083	-1.8715		
14/10/32/32	RR +60.000	+0.02539	+1.5340	-1.1083	-1.8715		
14/10/37/44	RR +65.000	+0.0424	+1.1506	-1.1083	-1.8715		
14/10/43/21	RR +70.000	+0.0424	+1.1506	-1.1083	-1.8715		
14/10/46/35	RR +72.000	+0.0424	+1.9140	-1.4863	-1.8715		
14/10/48/55	RR +0.0000	+0.02539	-1.1083	+0.02539	-0.35400		
FCF							
TIME IN DAY/MR/HN/SFC	PER CENT LOAD	EDI-20 INCHES X1000	EDI-21 INCHES X1000	EDI-18 INCHES X1000	EDI-19 INCHES X1000	EDI-16 INCHES X1000	EDI-17 INCHES X1000
14/10/02/19	RR +0.0000	+0.05029	+1.5781	+4.9287	+4.7670	+0.05126	+5.6343
14/10/09/20	RR +10.000	+0.05029	+2.3447	+3.3037	+4.7670	+0.05126	+4.8375
14/10/11/40	RR +20.000	+0.05029	+0.81306	+3.3037	+3.9814	+0.05126	+4.8344
14/10/14/02	RR +30.000	+0.05029	-1.4775	+3.3037	+3.9814	+0.05126	+4.8344
14/10/16/24	RR +35.000	+0.05029	-3.8063	+4.1162	+3.9814	+0.05126	+5.6343
14/10/19/31	RR +40.000	+0.05029	-4.5372	+4.1162	+4.7670	+0.05126	+4.4282
14/10/22/04	RR +45.000	+0.05029	-6.8261	+3.3037	+5.5532	+0.05126	+7.2240
14/10/24/57	RR +50.000	+0.0094	-9.1146	+4.9287	+7.1250	+0.05126	+8.0249
14/10/27/57	RR +55.000	+13.007	-9.8888	+6.5537	+8.6967	+0.05126	+9.6147
14/10/32/32	RR +60.000	+4.1474	-11.448	+8.9912	+11.840	+0.05126	+11.289
14/10/37/44	RR +65.000	+0.4548	-12.946	+14.678	+18.913	+0.1914	+14.306
14/10/43/21	RR +70.000	+4.1474	-15.402	+28.491	+33.845	+12.332	+19.975
14/10/46/35	RR +72.000	+0.9584	-17.500	+46.366	+93.492	+20.087	+26.340
14/10/48/55	RR +0.0000	-0.0071	+0.81306	+1.6787	+4.7670	+0.05126	+4.8375
FCF							

Figure A2-96A: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 2
(100 PERCENT LOAD = 19.2 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG4 UF X .1	SG104 UF X .1	SG5 UF X .1	SG105 UF X .1	SG7 UF X .1	SG107 UF X .1
14/10/02/22	RR +0.0000	-1.4951	-2.0048	-4.8193	+0.02587	-1.91025	+0.0080
14/10/09/16	RR +10.0000	+4.0974	+1.0445	+1.0458	-1.5000	-2.0410	+1.0146
14/10/11/37	RR +20.0000	+12.798	+13.205	+0.02539	-4.5512	-4.0890	+0.0080
14/10/14/03	RR +30.0000	+21.913	+28.076	+0.02539	-9.1279	-6.1230	+1.90880
14/10/16/22	RR +35.0000	+27.001	+35.776	+0.02539	-11.670	-6.4333	+1.90880
14/10/19/37	RR +40.0000	+32.603	+44.906	-4.8193	-14.213	-7.4538	+1.90880
14/10/22/02	RR +45.0000	+37.184	+53.576	-9.9874	-16.756	-8.4743	+1.0185
14/10/25/00	RR +50.0000	+43.292	+62.756	-1.4970	-19.298	-10.205	+1.0185
14/10/28/01	RR +55.0000	+46.896	+70.917	-9.9874	-22.350	-11.225	+1.5278
14/10/32/34	RR +60.0000	+51.437	+80.007	-4.8193	-25.401	-12.246	+1.5278
14/10/37/47	RR +65.0000	+55.008	+90.277	+0.02539	-28.961	-13.776	+1.0546
14/10/43/24	RR +70.0000	+55.509	+104.06	+4.1059	-35.572	-15.387	+4.0782
14/10/46/42	RR +72.0000	+52.964	+115.78	+8.1860	-41.674	-19.817	+5.0907
14/10/48/53	RR +0.0000	-1.48144	-1.4970	+0.02539	+5.3417	+5.31025	+1.0146
FCF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG8 UF X .1	SG108 UF X .1	SG9 UF X .1	SG109 UF X .1	SG10 UF X .1	SG110 UF X .1
14/10/02/22	RR +0.0000	-2.0418	-1.90927	-2.5112	-2.5292	-9.9169	+1.4980
14/10/09/16	RR +10.0000	-2.0418	-1.90927	-9.9876	-2.5292	-9.9169	+0.0605
14/10/11/37	RR +20.0000	-4.0820	+0.0000	-9.9876	-3.0351	-9.9169	+2.0600
14/10/14/03	RR +30.0000	-4.1230	+0.0000	+0.02636	-1.5175	-3.0288	+0.0605
14/10/16/22	RR +35.0000	-7.1439	+1.5249	+1.5493	+0.0000	-3.0430	+0.0605
14/10/19/37	RR +40.0000	-8.1648	+2.5346	+1.5493	+2.0234	+4.0566	+1.48124
14/10/22/02	RR +45.0000	-10.6948	+3.5942	+1.5493	+3.0498	+5.0659	+1.08974
14/10/25/00	RR +50.0000	-11.735	+4.5649	+1.5493	+5.0830	+7.0791	+2.0063
14/10/28/01	RR +55.0000	-14.797	+6.0878	+1.5493	+7.1162	+6.0937	+1.6289
14/10/32/34	RR +60.0000	-17.858	+7.1825	+1.5493	+10.166	+6.0937	+1.9342
14/10/37/47	RR +65.0000	-21.438	+9.6301	+1.8415	+15.249	+9.4751	+4.0889
14/10/43/24	RR +70.0000	-27.043	+15.777	-6.8644	+25.415	+2.5195	+12.170
14/10/46/42	RR +72.0000	-31.125	+20.880	-16.723	+38.638	+5.3613	+19.207
14/10/48/53	RR +0.0000	-2.0418	+1.0146	-9.9876	+5.0585	+5.3613	+4.8144
FCF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG13A UF X .1	SG13B UF X .1	SG13C UF X .1	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1
14/10/02/19	RR +0.0000	-2.0107	-1.97147	+0.02880	-1.47167	-3.4780	+3.0019
14/10/09/20	RR +10.0000	-11.059	-2.4746	+13.904	-12.493	-1.4765	+14.806
14/10/11/40	RR +20.0000	-24.128	-3.9746	+26.294	-26.432	-1.4765	+28.773
14/10/14/02	RR +30.0000	-36.193	-5.4746	+38.189	-39.013	-1.4765	+42.194
14/10/16/24	RR +35.0000	-42.728	-6.4746	+44.632	-47.401	-1.4765	+49.588
14/10/19/31	RR +40.0000	-49.766	-6.4746	+51.570	-54.891	-1.4765	+57.548
14/10/22/04	RR +45.0000	-56.308	-7.4746	+58.013	-61.481	-1.4765	+64.487
14/10/24/57	RR +50.0000	-62.835	-7.9746	+65.447	-68.870	-1.4765	+71.891
14/10/27/57	RR +55.0000	-69.873	-8.4746	+71.395	-75.868	-1.97460	+79.395
14/10/32/32	RR +60.0000	-76.408	-8.4746	+78.333	-82.859	-1.97460	+86.749
14/10/37/44	RR +65.0000	-83.445	-9.4746	+84.776	-89.348	-1.4765	+93.687
14/10/43/21	RR +70.0000	-90.988	-9.9746	+92.218	-95.831	-1.97460	+101.72
14/10/46/35	RR +72.0000	-96.515	-9.9746	+95.679	-98.327	-1.97460	+106.48
14/10/48/55	RR +0.0000	+5.0048	+5.52842	+3.4970	+0.02832	+3.4780	+3.0019
FCF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1	SG16A UF X .1	SG16B UF X .1	SG16C UF X .1
14/10/02/19	RR +0.0000	-1.90853	+0.02880	+5.52929	+0.02999	+0.00990	+0.02999
14/10/09/20	RR +10.0000	-10.983	+1.0248	+12.529	-9.0198	-0.00990	+10.991
14/10/11/40	RR +20.0000	-22.966	+2.5248	+26.079	-20.580	-0.00990	+23.449
14/10/14/02	RR +30.0000	-34.948	+2.5248	+38.529	-32.142	-0.00990	+34.411
14/10/16/24	RR +35.0000	-41.439	+3.5248	+45.529	-38.174	-0.00990	+40.889
14/10/19/31	RR +40.0000	-48.429	+4.5248	+53.029	-44.789	-0.00990	+47.367
14/10/22/04	RR +45.0000	-53.920	+5.5248	+59.529	-50.239	-1.0080	+53.346
14/10/24/57	RR +50.0000	-60.411	+6.5248	+67.529	-56.291	-1.0080	+60.322
14/10/27/57	RR +55.0000	-65.903	+8.0248	+74.029	-62.383	-1.0080	+65.883
14/10/32/32	RR +60.0000	-71.894	+9.0248	+81.029	-68.335	-1.0080	+71.783
14/10/37/44	RR +65.0000	-77.386	+10.028	+88.029	-73.865	-1.0080	+78.241
14/10/43/21	RR +70.0000	-83.878	+11.028	+95.529	-79.897	-1.0080	+84.280
14/10/46/35	RR +72.0000	-87.871	+12.028	+99.529	-82.913	-0.00990	+87.798
14/10/48/55	RR +0.0000	-1.90853	-1.4741	+5.52929	+0.02929	-0.00990	+0.02999
FCF							

Figure A2-96B : TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 2
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12A UF X .1	SG12C UE X .1	SG12B UF X .1	SG112B UF X .1	R8 KIP/UF	R10 KIP/UF
14/10/02/26	NR +0.0000	-1.9667	+1.5141	-1.9970	-2.4687	+21.072	+16.384
14/10/09/17	NR +10.000	-14.430	+14.309	-1.99853	-1.97070	+367.01	+49.675
14/10/11/35	NR +20.000	-28.389	+28.772	+0.0000	+5.50978	+331.13	+48.849
14/10/13/59	NR +30.000	-42.846	+42.153	+0.0000	+2.0346	+217.20	+47.186
14/10/16/28	NR +35.000	-49.826	+48.506	+0.0000	+3.0380	+184.34	+46.567
14/10/19/40	NR +40.000	-57.809	+56.040	+0.0000	+4.7415	+164.50	+47.744
14/10/21/59	NR +45.000	-64.785	+61.976	+0.0000	+5.7449	+144.62	+47.484
14/10/24/58	NR +50.000	-73.257	+69.907	+0.0000	+6.5502	+131.38	+47.944
14/10/27/59	NR +55.000	-81.732	+79.309	+0.0000	+7.5537	+114.14	+47.382
14/10/32/27	NR +60.000	-90.706	+79.819	+0.0000	+8.0551	+104.81	+47.384
14/10/37/53	NR +65.000	-100.67	+84.775	+1.0014	+10.062	+101.31	+47.046
14/10/43/27	NR +70.000	-114.65	+85.747	+1.0014	+11.065	+91.667	+46.640
14/10/46/38	NR +72.000	-120.00	+82.207	+2.0029	+10.062	+88.898	+46.681
14/10/49/02	NR +0.0000	-1.4687	+2.0007	-1.99853	-1.4702	+2.4604	+1.1993
FCF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG112A UF X .1	SG112C UE X .1	SG12B UF X .1	SG112B UF X .1	R9 KIP/UF	R11 KIP/UF
14/10/02/26	NR +0.0000	-1.97214	-1.4648	-1.9970	-2.4687	+17.601	+19.882
14/10/09/17	NR +10.000	-11.972	+12.570	-1.99853	-1.97070	+434.14	+58.397
14/10/11/35	NR +20.000	-23.472	+28.625	+0.0000	+5.50978	+494.21	+53.501
14/10/13/59	NR +30.000	-35.472	+44.178	+0.0000	+2.0346	+380.83	+50.275
14/10/16/28	NR +35.000	-41.472	+52.205	+0.0000	+3.0380	+260.54	+48.893
14/10/19/40	NR +40.000	-46.472	+60.744	+0.0000	+4.7415	+237.27	+50.691
14/10/21/59	NR +45.000	-50.472	+69.263	+0.0000	+5.7449	+210.27	+50.000
14/10/24/58	NR +50.000	-56.472	+79.207	+0.0000	+6.5502	+187.42	+50.458
14/10/27/59	NR +55.000	-61.472	+87.827	+0.0000	+7.5537	+165.61	+49.673
14/10/32/27	NR +60.000	-64.972	+96.857	+0.0000	+8.0551	+140.27	+49.705
14/10/37/53	NR +65.000	-67.472	+107.49	+1.0014	+10.062	+140.68	+49.783
14/10/43/27	NR +70.000	-69.972	+122.44	+1.0014	+11.065	+127.52	+49.688
14/10/46/38	NR +72.000	-72.972	+133.48	+2.0029	+10.062	+110.46	+50.001
14/10/49/02	NR +0.0000	+0.0743	+0.0743	-1.99853	-1.4702	+1.7753	+2.0073
FCF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG11 UF X .1	SG11 UE X .1	R4 LRS X .1 /UE	SG6 UF X .1	SG106 UF X .1	R5 LPS X .1 /UE
14/10/02/22	NR +0.0000	-2.0341	-3.0322	+0.6347	-4.0346	-2.0043	+0.63125
14/10/09/16	NR +10.000	-2.0341	-2.5224	+45.229	-2.5122	-2.0043	+43.400
14/10/11/37	NR +20.000	-2.0341	-2.0122	+1779.5	-3.0195	-2.0043	+78.518
14/10/14/03	NR +30.000	-2.0341	-2.0122	-1496.4	-3.5273	-3.5268	-1804.0
14/10/16/22	NR +35.000	-2.0341	-2.0122	-1096.4	-3.0195	-4.0346	+65.141
14/10/19/37	NR +40.000	-2.0341	-2.0122	-630.89	-3.0195	-4.0346	+75.081
14/10/22/02	NR +45.000	-2.0341	-1.5004	+158.24	-3.0195	-4.5419	+55.249
14/10/25/00	NR +50.000	-2.0341	-2.0122	+234.66	-3.0195	-4.5419	+62.581
14/10/28/01	NR +55.000	-2.5429	-1.99218	+67.168	-3.0195	-5.0499	+51.385
14/10/32/34	NR +60.000	-2.0341	-1.5024	+214.71	-2.5122	-4.5419	+56.249
14/10/37/47	NR +65.000	-2.5429	-1.5024	+117.42	-3.0195	-5.0499	+60.180
14/10/43/24	NR +70.000	-2.5429	-1.99218	+85.242	-2.5122	-5.0499	+52.003
14/10/46/42	NR +72.000	-2.5429	-1.99218	+88.469	-2.5122	-4.5419	+67.501
14/10/48/53	NR +0.0000	+0.0000	-1.99218	+0.6396	-1.4978	+0.62587	+0.6140
FCF							
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG1 UF X .1	SG101 UE X .1	SG2 UF X .1	SG102 UF X .1	SG3 UF X .1	SG103 UF X .1
14/10/02/22	NR +0.0000	+0.0244	+0.0000	+0.02490	+0.0088	+0.02539	-2.5499
14/10/09/16	NR +10.000	+1.5522	+0.0000	+2.5664	-2.0410	+0.52800	-2.5499
14/10/11/37	NR +20.000	+2.5786	-0.51025	+3.5830	-2.0410	+1.5366	-4.0683
14/10/14/03	NR +30.000	+3.6000	-0.51025	+2.0581	-4.0820	+0.52800	-6.6173
14/10/16/22	NR +35.000	+4.1108	-0.51025	+1.0415	-9.6127	+1.0327	-6.6113
14/10/19/37	NR +40.000	+5.1323	-0.51025	+0.55320	-7.4578	+1.0327	-8.1367
14/10/22/02	NR +45.000	+6.6430	-0.51025	-1.48583	-9.6048	+2.0405	-9.6485
14/10/25/00	NR +50.000	+8.1538	-0.51025	-1.5078	-11.275	+2.0485	-9.6695
14/10/28/01	NR +55.000	+9.6645	-0.51025	-2.5297	-13.266	+3.0483	-9.6695
14/10/32/34	NR +60.000	+11.1753	-0.51025	-3.5517	-14.287	+3.5522	-9.6695
14/10/37/47	NR +65.000	+12.6861	-1.5307	-5.5957	-15.307	+3.5522	-10.679
14/10/43/24	NR +70.000	+14.215	-3.5747	-7.6396	-15.307	+4.5600	-10.679
14/10/46/42	NR +72.000	+15.744	-4.5922	-8.6616	-14.287	+5.0639	-10.170
14/10/48/53	NR +0.0000	+1.0429	+0.0000	+0.02490	+0.0088	+0.02539	-2.5897
FCF							

Figure A2-96C: TABULATED TRANSDUCER DATA-PANEL 2A-1P-1M-CONDITION 2
(Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	ED1-D1 INCHES X100	ED1-D3 INCHES X100	LPP PSIG X100
14/10/02/26	GR +0.0000	+0.0027	-1.3300	+1.0044	+0.35005	+09.215	-1.4140
14/10/09/17	GR +10.000	+0.0027	-1.4460	+2.0003	+0.02009	-100.53	+0.0000
14/10/11/35	GR +20.000	+0.0146	-3.3300	+3.9101	+0.07009	-100.13	+0.03700
14/10/13/59	GR +30.000	+0.0265	-3.3300	+5.6110	+0.02009	-270.76	+0.03700
14/10/16/20	GR +35.000	+0.0027	+0.0071	+6.4125	+0.02009	+311.90	-0.03700
14/10/19/40	GR +40.000	+0.0027	+0.0076	+7.6137	+0.35005	-091.86	+0.03700
14/10/21/59	GR +45.000	+0.0265	+0.0071	+8.4140	+0.02009	-300.47	+0.03700
14/10/24/50	GR +50.000	+0.0027	-3.3300	+9.6157	+0.35005	-425.33	+0.03700
14/10/27/59	GR +55.000	+0.0027	-1.3300	+10.416	+0.02009	-400.70	+0.03700
14/10/32/27	GR +60.000	+0.0027	-3.3300	+11.317	+0.35005	-400.13	+0.0000
14/10/37/53	GR +65.000	+0.0027	+0.0071	+12.210	+0.02009	-095.07	-1.4140
14/10/43/27	GR +70.000	+0.0027	+0.0071	+13.210	+0.33009	-067.60	+0.0000
14/10/46/30	GR +72.000	+0.0027	+0.0076	+13.910	+0.1217	-091.07	+0.03700
14/10/49/02	GR +0.0000	+0.0027	+0.0076	+0.0034	+0.02009	-15.466	-0.03700
FOR							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG12B UF X 11	SG1120 UE X 11	R1 LPS/UE	SG100 UE X 11	SG1100 UE X 11	R2 LPS/UE
14/10/02/21	GR +0.0000	-0.5000	-3.4701	+21.245	-2.4701	-1.0000	+10.042
14/10/09/21	GR +10.000	-0.0000	-0.9721	-0.76.21	-1.4721	+0.0000	+101.90
14/10/11/41	GR +20.000	-0.0000	+0.0000	+0.0000	-1.4721	+0.0000	+112.96
14/10/13/56	GR +30.000	-0.0000	+1.0000	+0.0000	-1.4721	+0.0000	+129.96
14/10/16/27	GR +35.000	-0.0000	+3.0000	+101.24	-1.4721	+0.0000	+116.40
14/10/19/33	GR +40.000	+0.0000	+4.0000	+100.30	-0.97159	+0.0000	+116.07
14/10/22/05	GR +45.000	+0.0000	+5.0000	+100.77	-0.47001	+0.0000	+113.05
14/10/24/55	GR +50.000	+0.0000	+6.0000	+145.27	-0.47001	+0.0000	+09.00
14/10/28/04	GR +55.000	+0.0000	+7.0000	+147.71	-0.97159	+0.0000	+00.200
14/10/32/26	GR +60.000	+0.0000	+8.0000	+140.49	-0.97159	+0.0000	+00.402
14/10/37/51	GR +65.000	+0.0000	+9.0000	+127.79	-0.97000	+0.0000	+04.001
14/10/43/23	GR +70.000	+0.0000	+10.000	+145.93	-0.47000	+0.0000	+11.740
14/10/46/36	GR +72.000	+0.0000	+0.0000	+190.96	-0.0000	+0.0000	+09.002
14/10/48/50	GR +0.0000	-1.5000	-1.4701	+22.006	-1.4721	+0.0000	+0.0315
FOR							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG10A UE X 11	SG1100 UE X 11	SG100 UE X 11	SG1100 UE X 11	R3 LPS/UE	R4 LPS/UE
14/10/02/21	GR +0.0000	-0.4900	-0.4719	-0.4006	-0.99009	+02.005	+02.005
14/10/09/21	GR +10.000	-1.443	+11.004	+12.592	-14.400	+10.000	+10.000
14/10/11/41	GR +20.000	-0.477	+20.103	+27.103	-30.300	+110.36	+110.36
14/10/13/56	GR +30.000	-0.819	+37.714	+41.733	-45.700	+117.30	+117.30
14/10/16/27	GR +35.000	-0.270	+44.246	+40.270	-53.100	+110.94	+110.94
14/10/19/33	GR +40.000	-0.760	+52.205	+50.314	-61.000	+111.40	+111.40
14/10/22/05	GR +45.000	-0.233	+50.000	+67.300	-60.500	+147.14	+147.14
14/10/24/55	GR +50.000	-0.707	+60.000	+70.000	-70.000	+110.39	+110.39
14/10/28/04	GR +55.000	-0.105	+73.307	+80.451	-85.001	+110.40	+110.40
14/10/32/26	GR +60.000	-0.672	+77.909	+90.500	-90.000	+117.01	+117.01
14/10/37/51	GR +65.000	-0.105	+81.000	+100.50	-100.00	+110.00	+110.00
14/10/43/23	GR +70.000	-0.105	+81.000	+130.10	-120.00	+00.572	+00.572
14/10/46/36	GR +72.000	-0.240	+75.000	+151.70	-141.00	+00.950	+00.950
14/10/48/50	GR +0.0000	+0.0000	+0.0000	+0.0000	-0.99009	+0.0000	+0.0000
FOR							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG17A UE X 11	SG170 UE X 11	SG170 UE X 11	R6 KIP/UE	R7 KIP/UE	R8 KIP/UE
14/10/02/26	GR +0.0000	-1.4030	-1.4030	+0.52005	-30.034	-40.100	-40.100
14/10/09/17	GR +10.000	-12.510	+10.000	+0.0000	+120.7	-00.03	-00.03
14/10/11/35	GR +20.000	-26.071	+24.000	+0.52005	+700.43	-130.43	-130.43
14/10/13/59	GR +30.000	-30.120	+37.000	+0.0000	+000.97	+000.40	+000.40
14/10/16/20	GR +35.000	-46.651	+43.000	+0.0000	+731.22	+020.00	+020.00
14/10/19/40	GR +40.000	-53.670	+51.000	+0.0000	+201.30	+000.16	+000.16
14/10/21/59	GR +45.000	-59.700	+50.000	+0.50005	+100.01	+000.25	+000.25
14/10/24/50	GR +50.000	-60.230	+60.000	+0.0000	+150.64	+000.51	+000.51
14/10/27/59	GR +55.000	-75.263	+73.100	+0.50005	+144.55	+030.27	+030.27
14/10/32/27	GR +60.000	-82.792	+80.100	+0.50005	+120.22	+000.61	+000.61
14/10/37/53	GR +65.000	-80.810	+80.100	+0.52005	+110.10	+000.79	+000.79
14/10/43/27	GR +70.000	-09.350	+90.671	+1.0230	+100.71	+000.44	+000.44
14/10/46/30	GR +72.000	-104.37	+101.17	+0.52005	+97.712	+020.50	+020.50
14/10/49/02	GR +0.0000	-0.47119	-1.4030	+0.0000	-32.960	-40.100	-40.100
FOR							

Figure A2-96D: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 2
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG-A UF X .1	SG-B UE X .1	SG-C UF X .1	SG-D UF X .1
15/14/18/46	GR +0.000	-1.3789	+1.9042	-1.5097	-2.2480
15/14/21/33	GR +10.000	-0.8515	-6.8195	-10.568	-12.897
15/14/24/28	GR +20.000	-20.468	-16.629	-19.624	-22.330
15/14/26/48	GR +30.000	-30.691	-26.186	-29.062	-32.181
15/14/28/98	GR +40.000	-40.549	-35.683	-39.253	-42.033
15/14/32/95	GR +45.000	-46.605	-41.321	-44.915	-48.095
15/14/35/07	GR +50.000	-51.531	-45.940	-49.444	-53.480
15/14/38/05	GR +55.000	-57.214	-50.878	-54.729	-58.705
15/14/40/33	GR +60.000	-62.148	-55.817	-59.635	-64.089
15/14/43/21	GR +65.000	-67.445	-60.745	-64.542	-69.314
15/14/46/13	GR +70.000	-73.128	-65.314	-69.449	-74.619
15/14/49/92	GR +75.000	-78.433	-71.012	-73.976	-79.093
15/14/52/25	GR +80.000	-83.738	-75.941	-79.640	-84.849
15/14/55/25	GR +85.000	-89.808	-81.649	-84.924	-90.912
15/15/00/06	GR +90.000	-95.105	-86.547	-90.208	-95.837
15/15/04/21	GR +94.000	-100.03	-91.146	-94.360	-101.14
15/15/13/13	GR +50.000	-51.531	-45.940	-49.822	-53.480
15/15/14/00	GR +50.000	-51.152	-45.540	-49.444	-53.480
15/15/29/06	GR +90.000	-95.484	-86.947	-90.208	-96.595
15/15/29/97	GR +92.000	-97.757	-89.247	-92.473	-99.248
15/15/30/31	GR +94.000	-100.03	-91.146	-94.737	-101.14
15/15/31/56	GR +95.000	-101.94	-92.286	-95.870	-102.97
15/15/32/27	GR +96.000	-102.64	-93.805	-96.625	-103.41
15/15/33/21	GR +98.000	-104.95	-95.705	-98.880	-105.68
15/15/34/44	GR +100.00	-109.88	-100.44	-103.79	-111.37
15/15/35/04	GR +100.00	-110.24	-100.76	-104.17	-111.75
15/15/37/30	GR +0.0000	+1.1357	+1.9042	+75439	+1.02539

FOR

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	EDI-20 INCHES X1000	EDI-21 INCHES X1000	EDI-1A INCHES X1000	EDI-19 INCHES X1000	EDI-16 INCHES X1000	EDI-17 INCHES X1000
15/14/18/46	GR +0.0000	-4.1333	+0.05078	+0.05371	+0.0000	+0.77294	+0.05392
15/14/21/33	GR +10.000	-4.9069	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/24/28	GR +20.000	-4.9069	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/26/48	GR +30.000	-4.9062	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/28/98	GR +40.000	-7.7269	+0.05078	-7.76171	+0.0000	+0.0000	+0.05392
15/14/32/95	GR +45.000	+0.05029	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/35/07	GR +50.000	-4.1333	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/38/05	GR +55.000	-4.1333	+0.05078	+0.05371	+0.0000	-7.7343	+0.05392
15/14/40/33	GR +60.000	-4.1333	+0.05078	+0.05371	+0.0000	-7.7343	+0.05392
15/14/43/21	GR +65.000	-7.7269	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/46/13	GR +70.000	-7.76791	+0.05078	+0.05371	+0.0000	+0.0000	+0.05392
15/14/49/92	GR +75.000	-4.9069	+0.05078	+0.05371	+0.0000	-7.7343	+1.6548
15/14/52/25	GR +80.000	-4.1333	+0.05078	-7.76171	+0.0000	-7.7343	+0.05392
15/14/55/25	GR +85.000	-4.1333	+0.05078	+0.05371	+0.0000	-7.7343	+0.05392
15/15/00/06	GR +90.000	-4.1333	+0.05078	-7.76171	+0.0000	-7.7343	+0.05392
15/15/04/21	GR +94.000	-4.9062	+0.05078	-7.76171	+0.0000	+0.0000	+0.05392
15/15/13/13	GR +50.000	-4.5874	+0.05078	-7.76171	+0.0000	+0.0000	+0.05392
15/15/14/00	GR +50.000	-4.1333	+0.05078	-7.76171	+0.0000	+0.0000	+0.05392
15/15/29/06	GR +90.000	-4.1333	+0.05078	-7.76171	+0.0000	-7.7343	+0.05392
15/15/29/97	GR +92.000	-7.7269	+0.05078	-7.76171	+0.0000	-1.5463	+0.05392
15/15/30/31	GR +94.000	-5.3603	+0.05078	-7.76171	+0.0000	-1.5463	+0.05392
15/15/31/56	GR +95.000	-4.1333	+0.05078	-7.76171	+0.0000	-7.7343	+0.05392
15/15/32/27	GR +96.000	-4.9069	+0.05078	+0.05371	+0.0000	-1.5463	+0.05392
15/15/33/21	GR +98.000	-4.9069	+0.05078	-7.76171	+0.0000	+0.0000	+0.05392
15/15/34/44	GR +100.00	-4.1333	+0.05078	+0.05371	+0.0000	-7.7343	+0.05392
15/15/35/04	GR +100.00	-4.1333	+0.05078	-7.76171	+0.0000	-7.7343	+0.05392
15/15/37/30	GR +0.0000	-1.4996	+0.05078	+0.05371	+0.0000	-1.5463	+0.05392

FOR

**FIGURE A2-97A: TABULATED TRANSDUCER DATA— PANEL 2A-1-P-1M—
CONDITION 10 (100 PERCENT LOAD = 71.2 KIPS)**

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG18A UF X .1	SG18B UF X .1	SG18C UF X .4	SG118A UF X .1	SG118B UF X .1	SG118C UF X .4
15/14/18/46	NR +07.0000	-22.887	+85.625	+44.834	-86.343	-61.379	-79.041
15/14/21/33	GR +10.0000	-25.873	+81.619	+51.882	-101.32	-77.355	-84.047
15/14/24/28	GR +20.0000	-27.863	+79.616	+60.943	-117.79	-94.331	-100.027
15/14/26/48	GR +30.0000	-30.391	+79.611	+68.998	-135.27	-121.30	-105.580
15/14/28/98	GR +40.0000	-30.391	+77.142	+88.073	-152.74	-138.77	-109.979
15/14/32/95	NR +45.0000	-32.341	+76.111	+85.107	-163.72	-148.76	-103.05
15/14/35/87	GR +50.0000	-30.391	+80.117	+93.666	-176.21	-158.24	-100.43
15/14/38/85	GR +55.0000	-30.391	+84.123	+101.72	-188.19	-150.23	-115.80
15/14/40/33	GR +60.0000	-30.391	+87.627	+109.77	-200.17	-167.72	-128.87
15/14/43/21	GR +65.0000	-29.893	+92.615	+119.34	-213.15	-174.21	-127.84
15/14/46/13	NR +70.0000	-29.399	+98.644	+129.40	-226.13	-184.20	-139.81
15/14/49/52	GR +75.0000	-28.368	+103.45	+139.98	-238.61	-198.19	-137.89
15/14/52/25	GR +80.0000	-26.868	+112.16	+151.55	-252.18	-194.68	-144.75
15/14/55/25	NR +85.0000	-25.873	+120.47	+164.64	-266.57	-201.17	-151.92
15/14/60/86	GR +90.0000	-25.375	+126.18	+178.79	-270.55	-208.46	-159.90
15/15/04/21	GR +94.0000	-24.877	+135.19	+190.87	-292.84	-209.16	-153.71
15/15/13/13	NR +50.0000	-46.778	+89.110	+101.71	-192.68	-198.73	-117.89
15/15/14/00	GR +50.0000	-49.298	+79.616	+95.176	-187.19	-157.23	-112.41
15/15/29/86	NR +90.0000	-32.341	+125.48	+188.75	-281.59	-207.16	-151.92
15/15/29/97	NR +92.0000	-31.346	+128.48	+186.29	-288.84	-208.66	-159.22
15/15/30/91	NR +94.0000	-30.848	+132.49	+191.83	-292.54	-208.66	-154.21
15/15/31/96	GR +95.0000	-30.848	+135.49	+195.35	-295.93	-218.16	-159.80
15/15/32/27	NR +96.0000	-30.848	+136.49	+198.88	-298.93	-218.66	-155.20
15/15/33/21	NR +98.0000	-30.391	+139.20	+207.94	-299.93	-208.17	-148.73
15/15/34/44	NR +100.0000	-49.298	+125.48	+209.94	-253.99	-101.82	-92.018
15/15/35/84	GR +100.0000	-49.799	+127.48	+209.45	-253.89	-101.32	-93.043
15/15/37/30	GR +07.0000	-64.682	+7.0162	-32.422	-5.4619	+1.4327	+4.5387
EOF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG20A UF X .1	SG20B UF X .1	SG20C UF X .1
15/14/18/46	NR +07.0000	+7.4931	+7.0419	+4.9219
15/14/21/33	GR +10.0000	+7.4931	-2.4711	+6.8292
15/14/24/28	NR +20.0000	-10.983	-12.402	+7.9366
15/14/26/48	NR +30.0000	-18.972	-22.512	+8.5415
15/14/28/98	NR +40.0000	-25.961	-32.810	+10.048
15/14/32/95	NR +45.0000	-29.956	-38.842	+11.053
15/14/35/87	GR +50.0000	-33.491	-42.541	+12.561
15/14/38/85	NR +55.0000	-36.444	-46.549	+12.561
15/14/40/33	GR +60.0000	-39.941	-51.548	+13.565
15/14/43/21	NR +65.0000	-43.436	-56.877	+14.570
15/14/46/13	NR +70.0000	-46.432	-60.845	+15.575
15/14/49/52	GR +75.0000	-49.926	-65.845	+17.585
15/14/52/25	NR +80.0000	-52.922	-69.844	+17.585
15/14/55/25	NR +85.0000	-55.917	-74.112	+19.595
15/14/60/86	GR +90.0000	-58.913	-78.158	+20.097
15/15/04/21	GR +94.0000	-61.909	-81.126	+22.187
15/15/13/13	NR +50.0000	-32.951	-42.080	+12.561
15/15/14/00	GR +50.0000	-32.499	-43.052	+12.058
15/15/29/86	NR +90.0000	-58.913	-78.621	+21.102
15/15/29/97	NR +92.0000	-60.411	-80.124	+21.604
15/15/30/91	NR +94.0000	-61.909	-81.126	+21.604
15/15/31/96	NR +95.0000	-61.909	-82.128	+22.187
15/15/32/27	GR +96.0000	-62.408	-83.170	+23.614
15/15/33/21	NR +98.0000	-63.986	-84.673	+23.112
15/15/34/44	NR +100.0000	-66.981	-89.122	+24.117
15/15/35/84	GR +100.0000	-66.981	-88.641	+24.117
15/15/37/30	GR +07.0000	+1.4978	+1.0316	+1.5075
EOF				

Figure A2-97B: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 10
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UE X .1	SG13B UE X .1	SG13C UE X .1	SG14A UE X .1	SG14B UE X .1	SG14C UE X .1
15/14/18/46	RR +0.0000	-2.9877	+4.0243	+10.077	+7.0088	+10.048	+9.0080
15/14/21/33	RR +10.0000	-11.533	-7.4649	+10.579	-1.99853	-1.99853	+11.080
15/14/24/28	RR +20.0000	-20.079	-19.443	+12.086	-8.9848	-12.980	+12.580
15/14/26/48	RR +30.0000	-30.132	-31.425	+13.091	-18.473	-24.464	+14.580
15/14/28/58	RR +40.0000	-39.184	-43.967	+14.096	-29.061	-39.947	+17.080
15/14/32/55	RR +45.0000	-44.718	-51.306	+15.101	-30.954	-42.937	+18.580
15/14/35/07	RR +50.0000	-50.248	-57.347	+16.106	-34.449	-47.999	+20.580
15/14/38/05	RR +55.0000	-55.267	-63.378	+16.608	-38.443	-52.927	+22.080
15/14/40/33	RR +60.0000	-60.293	-69.370	+17.613	-42.437	-57.915	+23.080
15/14/43/21	RR +65.0000	-65.823	-74.841	+18.618	-46.432	-61.909	+25.080
15/14/46/13	RR +70.0000	-70.347	-79.844	+20.125	-49.926	-66.402	+27.080
15/14/49/52	RR +75.0000	-75.374	-86.345	+21.130	-53.421	-71.395	+29.080
15/14/52/25	RR +80.0000	-80.904	-91.846	+21.633	-56.916	-74.890	+30.080
15/14/55/25	RR +85.0000	-85.931	-97.329	+23.643	-60.411	-78.385	+32.580
15/15/00/06	RR +90.0000	-90.959	-102.822	+24.145	-63.906	-82.878	+34.080
15/15/04/21	RR +94.0000	-94.979	-106.81	+25.150	-63.407	-82.379	+35.080
15/15/13/13	RR +50.0000	-52.258	-57.347	+18.116	-33.958	-49.932	+22.580
15/15/14/80	RR +50.0000	-51.245	-57.846	+17.111	-34.449	-47.929	+21.580
15/15/29/06	RR +98.0000	-90.954	-102.82	+24.647	-60.918	-79.882	+34.080
15/15/29/57	RR +92.0000	-92.968	-109.81	+24.647	-61.909	-81.380	+34.580
15/15/30/51	RR +94.0000	-94.979	-106.81	+25.150	-62.907	-82.379	+34.580
15/15/31/56	RR +99.0000	-95.984	-107.81	+25.652	-63.407	-81.879	+35.580
15/15/32/27	RR +96.0000	-96.998	-109.81	+26.657	-63.906	-83.377	+36.580
15/15/33/21	RR +98.0000	-99.004	-110.80	+26.657	-61.909	-82.379	+36.080
15/15/34/44	RR +100.00	-103.52	-115.80	+27.662	-163.75	+147.78	+37.080
15/15/35/04	RR +100.00	-104.02	-115.80	+26.657	-164.75	+147.78	+38.580
15/15/37/30	RR +0.0000	-47363	+02842	+2.5405	+12.888	+7.0341	+10.580
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UE X .1	SG13B UE X .1	SG13C UE X .1	SG14A UE X .1	SG14B UE X .1	SG14C UE X .1
15/14/18/46	RR +0.0000	+7.5400	+6.5345	-2.5000	+1.0034	+6.0087	-1.99541
15/14/21/33	RR +10.0000	+1.02888	-3.4648	-1.9999	-5.5088	+3.4892	+2.4941
15/14/24/28	RR +20.0000	-4.9624	-15.448	-1.49999	-13.080	+13.080	+3.9981
15/14/26/48	RR +30.0000	-13.491	-27.440	+5.50000	-21.580	+23.084	+5.4882
15/14/28/58	RR +40.0000	-18.943	-37.945	+5.50000	-29.080	+33.650	+6.9843
15/14/32/55	RR +45.0000	-23.437	-44.445	+1.00000	-33.580	+39.682	+7.9843
15/14/35/07	RR +50.0000	-25.933	-50.306	+2.00000	-37.580	+44.287	+8.9844
15/14/38/05	RR +55.0000	-28.928	-55.349	+2.00000	-41.580	+49.283	+9.4844
15/14/40/33	RR +60.0000	-31.924	-60.841	+2.00000	-45.580	+54.280	+10.978
15/14/43/21	RR +65.0000	-35.419	-66.373	+2.00000	-49.080	+59.784	+11.976
15/14/46/13	RR +70.0000	-37.915	-71.845	+3.0043	-53.080	+63.389	+12.974
15/14/49/52	RR +75.0000	-40.911	-77.846	+3.5048	-57.080	+68.385	+14.970
15/14/52/25	RR +80.0000	-42.908	-82.849	+3.0043	-60.580	+72.859	+14.970
15/14/55/25	RR +85.0000	-45.404	-88.341	+3.9048	-64.580	+77.384	+17.445
15/15/00/06	RR +90.0000	-48.408	-93.843	+4.0058	-68.580	+81.988	+18.443
15/15/04/21	RR +94.0000	-50.397	-97.847	+5.0073	-72.080	+89.497	+19.940
15/15/13/13	RR +50.0000	-24.934	-49.807	+1.0000	-38.580	+44.247	+18.978
15/15/14/00	RR +50.0000	-25.933	-50.806	+1.5000	-38.080	+44.789	+18.479
15/15/29/06	RR +98.0000	-47.908	-93.843	+4.9063	-68.580	+81.988	+18.942
15/15/29/57	RR +92.0000	-49.398	-95.840	+4.9063	-70.080	+83.918	+19.940
15/15/35/04	RR +100.00	-55.859	-120.80	+4.9063	-79.580	+93.972	+23.444
15/15/37/30	RR +0.0000	+1.02888	-47147	+5.0000	-18.080	-3.9921	+5.4882
ECF							

Figure A2-97C: TABULATED TRANSDUCER DATA—PANEL 2A-1-P-1M—CONDITION 10
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG4 UF X .1	SG104 UE X .1	SG5 UF X .1	SG105 UF X .1	SG7 UE X .1	SG107 UF X .1
15/14/18/32	RR +07.0000	+49.910	-40.540	+20.357	-35.529	+8.7543	-0.6742
15/14/21/38	RR +10.0000	+46.347	-51.746	+20.865	-41.113	+17.0532	+19.342
15/14/24/30	RR +20.0000	+43.290	-62.405	+21.374	-47.204	+6.6166	-29.538
15/14/26/50	RR +30.0000	+40.209	-74.079	+22.390	-55.325	-14.792	-19.793
15/14/29/04	RR +40.0000	+46.166	-80.170	+25.440	-67.506	-22.968	-40.997
15/14/32/31	RR +45.0000	+44.130	-79.662	+25.948	-73.597	-26.544	-46.020
15/14/35/10	RR +50.0000	+46.166	-83.245	+27.473	-81.210	-31.144	-63.140
15/14/37/39	RR +55.0000	+45.148	-85.246	+30.015	-88.824	-34.720	-68.243
15/14/40/31	RR +60.0000	+45.148	-85.246	+30.523	-96.438	-38.297	-74.843
15/14/43/20	RR +65.0000	+45.657	-86.748	+33.064	-104.95	-42.385	-80.445
15/14/46/16	RR +70.0000	+46.166	-87.276	+35.606	-112.68	-45.962	-87.086
15/14/49/08	RR +75.0000	+45.657	-86.241	+38.147	-121.30	-48.050	-93.107
15/14/52/28	RR +80.0000	+46.166	-85.743	+41.706	-130.95	-53.116	-99.818
15/14/55/28	RR +85.0000	+47.693	-85.246	+45.264	-140.08	-56.693	-104.04
15/15/00/00	RR +90.0000	+46.166	-82.280	+48.313	-150.24	-60.781	-113.85
15/15/04/15	RR +94.0000	+44.130	-77.175	+53.396	-158.86	-63.335	-119.17
15/15/13/16	RR +50.0000	+48.200	-85.246	+32.556	-88.824	-30.122	-44.678
15/15/14/02	RR +50.0000	+45.657	-81.602	+30.523	-86.794	-30.657	-43.140
15/15/29/10	RR +90.0000	+44.130	-79.145	+50.895	-151.76	-59.759	-114.87
15/15/30/00	RR +92.0000	+44.130	-78.140	+51.872	-159.31	-60.781	-116.42
15/15/30/49	RR +94.0000	+44.130	-77.175	+53.905	-159.37	-62.895	-119.17
15/15/31/39	RR +95.0000	+44.630	-77.175	+54.921	-161.91	-63.335	-121.90
15/15/32/30	RR +96.0000	+44.130	-76.109	+55.930	-161.94	-62.895	-122.22
15/15/33/23	RR +98.0000	+42.603	-73.044	+57.971	-166.40	-65.379	-124.28
15/15/34/39	RR +100.00	+46.232	-128.77	+55.430	+31.666	-67.935	-130.80
15/15/35/03	RR +100.00	+49.286	-114.73	+55.470	+31.666	-68.445	-131.79
15/15/37/28	RR +07.0000	+1.5429	-6.5797	+9.1748	+7.6611	+5.7710	-1.0131
F0F							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG8 UF X .1	SG108 UE X .1	SG9 UF X .1	SG109 UF X .1	SG11 UE X .1	SG110 UF X .1
15/14/18/32	RR +07.0000	+46.947	-40.871	+103.53	-85.490	+94.061	-43.640
15/14/21/38	RR +10.0000	+40.827	-52.242	+99.261	-100.16	+49.470	-46.340
15/14/24/30	RR +20.0000	+44.707	-64.444	+95.188	-115.84	+45.380	-70.542
15/14/26/50	RR +30.0000	+46.546	-78.119	+90.098	-132.82	+41.310	-85.271
15/14/29/04	RR +40.0000	+48.426	-92.848	+84.499	-147.20	+38.760	-100.43
15/14/32/31	RR +45.0000	+46.346	-98.441	+80.427	-154.79	+36.790	-117.75
15/14/35/10	RR +50.0000	+45.326	-104.88	+82.463	-164.93	+39.250	-129.43
15/14/37/39	RR +55.0000	+43.286	-115.49	+83.481	-177.89	+38.250	-139.07
15/14/40/31	RR +60.0000	+41.756	-123.71	+81.994	-184.66	+38.760	-149.73
15/14/43/20	RR +65.0000	+41.756	-131.43	+83.990	-196.77	+40.280	-160.79
15/14/46/16	RR +70.0000	+40.736	-140.46	+85.517	-206.39	+42.330	-171.45
15/14/49/08	RR +75.0000	+40.226	-148.49	+85.517	-214.99	+44.370	-181.90
15/14/52/28	RR +80.0000	+40.736	-157.42	+88.571	-224.60	+46.450	-193.89
15/14/55/28	RR +85.0000	+42.776	-167.07	+91.625	-232.69	+48.021	-209.80
15/15/00/00	RR +90.0000	+40.736	-177.42	+89.589	-239.27	+54.061	-220.90
15/15/04/15	RR +94.0000	+43.286	-186.75	+81.954	-238.29	+50.670	-233.08
15/15/13/16	RR +50.0000	+40.476	-114.17	+91.116	-171.48	+43.860	-144.45
15/15/14/02	RR +50.0000	+46.346	-111.13	+82.463	-164.93	+39.270	-141.10
15/15/29/10	RR +90.0000	+43.286	-178.43	+83.481	-233.20	+57.630	-228.88
15/15/30/00	RR +92.0000	+43.286	-182.19	+83.481	-236.23	+59.161	-231.85
15/15/30/49	RR +94.0000	+43.796	-186.75	+83.481	-238.76	+60.181	-236.52
15/15/31/39	RR +95.0000	+43.326	-189.80	+84.499	-240.78	+62.730	-239.57
15/15/32/30	RR +96.0000	+43.326	-191.72	+82.972	-240.78	+63.750	-244.74
15/15/33/23	RR +98.0000	+46.346	-196.40	+72.791	-235.73	+67.391	-253.97
15/15/34/39	RR +100.00	+48.386	-211.42	+161.87	-251.01	+158.57	-109.86
15/15/35/03	RR +100.00	+40.426	-213.15	+166.96	-247.81	+154.10	-111.46
15/15/37/28	RR +07.0000	+4.0344	+8.6947	+11.198	-11.634	+9.1881	-129.00
F0F							

Figure A2-97D: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 10
(Continued)

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG11 UF X .1	SG111 UF X .1	N4 LRS X .1 /UE	SG6 UF X .1	SG106 UF X .1	RK LRS X .1 /UE
15/14/18/52	GR +0.0000	+7.4850	+3.0600	-2.7900	+12.297	+8.1681	-4.5102
15/14/21/38	GR +10.000	-1.98974	-7.6177	+10.127	+5.0683	-4.8683	+13.248
15/14/24/30	GR +20.000	-1.1160	-10.770	+18.149	-12.670	-17.765	+27.187
15/14/26/50	GR +30.000	-23.874	-11.449	+26.966	-25.848	-32.484	+30.065
15/14/29/04	GR +40.000	-15.570	-44.148	+32.141	-38.012	-46.188	+13.749
15/14/32/51	GR +45.000	-41.671	-49.741	+38.327	-45.188	-53.802	+15.570
15/14/35/10	GR +50.000	-47.775	-56.340	+41.651	-51.190	-60.480	+18.780
15/14/37/59	GR +55.000	-53.878	-62.471	+44.487	-55.751	-66.990	+13.850
15/14/40/31	GR +60.000	-59.472	-68.844	+48.990	-62.340	-73.080	+18.971
15/14/43/20	GR +65.000	-44.557	-73.507	+50.494	-66.982	-78.673	+13.778
15/14/46/16	GR +70.000	-70.151	-79.180	+54.764	-71.970	-84.256	+48.246
15/14/49/58	GR +75.000	-75.745	-84.266	+62.085	-76.025	-90.347	+16.887
15/14/52/28	GR +80.000	-80.322	-88.824	+67.099	-80.880	-94.407	+19.816
15/14/55/28	GR +85.000	-84.391	-94.407	+59.792	-83.637	-97.960	+41.786
15/14/00/00	GR +90.000	-81.001	-99.901	+70.326	-88.189	-104.85	+19.884
15/15/04/15	GR +94.000	-71.510	-99.901	+77.985	-88.696	-104.55	+41.649
15/15/13/16	GR +50.000	-47.267	-56.847	+36.243	-49.649	-59.893	+13.944
15/15/14/02	GR +50.000	-48.792	-57.355	+40.552	-52.204	-61.416	+17.603
15/15/29/10	GR +90.000	-87.442	-95.920	+74.477	-85.655	-101.51	+19.844
15/15/30/00	GR +92.000	-89.476	-97.940	+76.193	-86.668	-102.52	+40.780
15/15/30/49	GR +94.000	-71.001	-99.483	+77.339	-88.189	-104.85	+41.392
15/15/31/59	GR +95.000	-82.019	-99.901	+83.471	-88.189	-104.85	+41.991
15/15/32/30	GR +96.000	-82.527	-100.49	+84.678	-88.696	-104.55	+42.548
15/15/33/23	GR +98.000	-82.019	-100.49	+80.711	-88.696	-104.55	+43.144
15/15/34/39	GR +100.00	-158.12	-103.44	+12.886	-77.839	-102.02	+20.187
15/15/35/03	GR +100.00	-157.62	-103.44	+12.919	-76.532	-101.51	+27.947
15/15/37/28	GR +0.0000	-26.416	-9.1342	-1.3457	+1.0136	+2.0302	-22.847
FCF							

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG1 UF X .1	SG101 UF X .1	SG2 UF X .1	SG102 UF X .1	SG3 UF X .1	SG103 UF X .1
15/14/18/52	GR +0.0000	+5.5222	-6.4313	+21.808	-27.500	+17.332	+11.716
15/14/21/38	GR +10.000	+1.5947	-10.205	+22.314	-31.575	+4.0454	-3.0200
15/14/24/30	GR +20.000	+1.1040	-13.776	+23.328	-35.140	-9.4186	-18.784
15/14/26/50	GR +30.000	+1.0840	-17.348	+23.834	-40.742	-24.338	-15.584
15/14/29/04	GR +40.000	+2.0640	-21.940	+24.847	-46.344	-38.042	-50.731
15/14/32/51	GR +45.000	+1.5546	-23.471	+25.354	-48.890	-44.641	-58.882
15/14/35/10	GR +50.000	+1.5546	-26.022	+26.367	-53.474	-51.239	-66.973
15/14/37/59	GR +55.000	+1.0440	-28.574	+27.380	-58.566	-56.822	-73.044
15/14/40/31	GR +60.000	+5.5222	-30.615	+26.367	-63.659	-62.405	-81.185
15/14/43/20	GR +65.000	+8.2441	-33.676	+27.887	-68.752	-67.980	-86.749
15/14/46/16	GR +70.000	-1.99079	-15.717	+28.394	-74.354	-72.049	-93.327
15/14/49/58	GR +75.000	-1.4988	-18.249	+29.407	-79.096	-76.110	-99.488
15/14/52/28	GR +80.000	-2.5131	-40.310	+30.926	-86.577	-79.155	-104.82
15/14/55/28	GR +85.000	-1.0209	-43.801	+32.446	-91.669	-82.788	-109.10
15/15/00/00	GR +90.000	-4.5434	-45.922	+32.446	-98.290	-86.749	-114.47
15/15/04/15	GR +94.000	-5.5585	-48.474	+34.970	-101.89	-87.784	-119.19
15/15/13/16	GR +50.000	+5.5222	-27.583	+29.013	-57.548	-49.288	-44.983
15/15/14/02	GR +50.000	+5.5222	-26.513	+27.887	-55.511	-51.747	-47.481
15/15/29/10	GR +90.000	-1.0361	-46.413	+34.473	-99.389	-85.246	-111.13
15/15/30/00	GR +92.000	-5.0512	-46.413	+34.473	-101.85	-85.246	-113.16
15/15/30/49	GR +94.000	-5.5585	-48.474	+35.486	-104.40	-87.276	-114.48
15/15/31/59	GR +95.000	-5.5585	-48.904	+36.499	-105.92	-86.749	-114.48
15/15/32/30	GR +96.000	-6.0664	-48.474	+36.499	-107.45	-86.749	-119.70
15/15/33/23	GR +98.000	-6.0664	-50.515	+37.005	-112.80	-88.292	-119.70
15/15/34/39	GR +100.00	-9.0964	-51.075	+37.512	-112.85	-89.565	-66.993
15/15/35/03	GR +100.00	-7.5888	-52.045	+38.525	-113.85	-88.550	-65.441
15/15/37/28	GR +0.0000	+5.5222	+5.0976	+0.2490	+2.5449	+4.0854	+4.8889
FCF							

Figure A2-97E: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 10
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12A UF X .1	SG12C UF X .1	SG12B UF X .1	SG112R UF X .1	R9 KIP/UF	R10 KIP/UF
15/14/18/44	RR +0.0000	+34.574	+28.847	+126.96	-126.81	-67.4967	+4.8212
15/14/21/40	RR +10.000	+28.068	+24.042	+129.95	-147.28	-38.849	+31.242
15/14/24/36	RR +20.000	+28.597	+26.546	+129.95	-169.79	-57.227	+57.227
15/14/26/45	RR +30.000	+12.044	+29.570	+129.45	-192.21	-83.192	+81.792
15/14/29/02	RR +40.000	+7.9327	+31.573	+129.46	-222.17	-104.97	+103.84
15/14/32/58	RR +45.000	-4.47114	+32.575	+130.47	-235.65	-122.97	+119.03
15/14/35/05	RR +50.000	-7.4693	+39.079	+136.99	-294.62	-127.96	+110.41
15/14/38/02	RR +55.000	-4.4594	+36.581	+143.51	-271.60	-134.82	+129.90
15/14/40/37	RR +60.000	-4.9590	+39.084	+149.03	-288.97	-149.06	+134.88
15/14/43/24	RR +65.000	-7.9499	+41.588	+157.06	-307.94	-159.06	+139.05
15/14/46/21	RR +70.000	-0.4448	+44.502	+164.09	-327.02	-159.22	+138.86
15/14/50/01	RR +75.000	-11.438	+47.006	+174.12	-345.49	-159.78	+141.84
15/14/52/19	RR +80.000	-11.438	+51.162	+185.65	-366.96	-159.88	+148.49
15/14/55/30	RR +85.000	-11.438	+55.168	+198.70	-389.42	-159.60	+138.46
15/15/00/03	RR +90.000	-2.934	+57.644	+207.23	-407.40	-164.45	+140.45
15/15/04/18	RR +94.000	-3.404	+59.608	+211.74	-384.83	-157.45	+143.88
15/15/13/07	RR +98.000	-1.52587	+48.046	+152.86	-265.11	-111.97	+108.43
15/15/13/58	RR +98.000	-1.4689	+36.581	+142.51	-252.62	-127.47	+116.46
15/15/29/00	RR +0.000	-9.419	+53.645	+204.72	-375.44	-159.77	+141.74
15/15/30/02	RR +02.000	-19.914	+54.607	+209.74	-381.94	-159.80	+141.45
15/15/30/55	RR +94.000	-20.412	+55.168	+213.75	-384.43	-159.88	+141.81
15/15/31/50	RR +95.000	-20.419	+56.109	+217.76	-392.42	-159.89	+141.83
15/15/32/24	RR +96.000	-21.400	+56.109	+219.77	-392.42	-159.67	+140.87
15/15/33/16	RR +98.000	-11.878	+48.508	+218.27	-369.45	-159.77	+143.86
15/15/34/42	RR +100.00	-16.864	+80.145	+220.81	-326.92	-160.40	+136.43
15/15/35/09	RR +100.00	-16.365	+80.145	+232.31	-326.02	-159.11	+139.56
15/15/37/33	RR +07.0000	+4.0364	+13.046	+17.085	-6.4087	-36.088	+36.911
END							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG112A UF X .1	SG112C UF X .1	SG12B UF X .1	SG112R UF X .1	R9 KIP/UF	R11 KIP/UF
15/14/18/44	RR +0.0000	-13.977	-14.928	+126.96	-126.81	+67.4967	+4.8481
15/14/21/40	RR +10.000	-22.977	-13.911	+129.95	-147.28	+25.844	+26.711
15/14/24/36	RR +20.000	-11.477	-13.911	+129.95	-169.79	+48.757	+42.419
15/14/26/45	RR +30.000	-11.977	-12.415	+129.45	-192.21	+90.819	+53.201
15/14/29/02	RR +40.000	-11.477	-11.418	+129.46	-222.17	+97.502	+60.607
15/14/32/58	RR +45.000	-16.977	-12.415	+130.47	-235.65	+60.727	+64.380
15/14/35/05	RR +50.000	-12.977	-12.415	+136.99	-294.62	+64.073	+64.842
15/14/38/02	RR +55.000	-18.972	-13.412	+143.51	-271.60	+63.898	+67.944
15/14/40/37	RR +60.000	-73.972	-13.911	+149.03	-288.97	+65.599	+69.998
15/14/43/24	RR +65.000	-10.977	-14.429	+157.06	-307.94	+66.688	+71.298
15/14/46/21	RR +70.000	-17.977	-14.928	+164.09	-327.02	+66.194	+70.944
15/14/50/01	RR +75.000	-04.972	-15.925	+174.12	-345.49	+67.142	+72.195
15/14/52/19	RR +80.000	-101.97	-17.420	+185.65	-366.96	+66.017	+72.019
15/14/55/30	RR +85.000	-110.97	-19.415	+198.70	-389.42	+66.400	+71.795
15/15/00/03	RR +90.000	-118.97	-20.910	+207.23	-407.40	+66.778	+73.284
15/15/04/18	RR +94.000	-110.47	-2.9613	+211.74	-384.83	+72.370	+70.599
15/15/13/07	RR +98.000	-18.979	-12.415	+157.84	-265.11	+99.490	+62.905
15/15/13/58	RR +98.000	-16.472	-10.919	+142.51	-252.62	+62.257	+66.040
15/15/29/00	RR +06.000	-186.97	-4.9575	+204.72	-375.44	+72.159	+70.186
15/15/30/02	RR +02.000	-188.97	-4.4549	+209.74	-381.94	+72.424	+70.404
15/15/30/55	RR +94.000	-110.97	-3.9684	+213.75	-384.43	+72.690	+70.804
15/15/31/50	RR +95.000	-111.47	-3.4619	+217.76	-392.42	+99.932	+70.148
15/15/32/24	RR +96.000	-111.47	-1.4677	+219.77	-392.42	+73.390	+70.644
15/15/33/16	RR +98.000	-108.472	+14.048	+218.27	-369.45	+78.684	+85.563
15/15/34/42	RR +100.00	-114.47	+18.054	+220.81	-326.92	+89.390	+97.942
15/15/35/09	RR +100.00	-114.47	+17.082	+232.31	-326.02	+89.667	+96.148
15/15/37/33	RR +07.0000	+4.0481	+18.042	+17.085	-6.4087	+104.71	+83.385
END							

Figure A2-97F: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 10
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG19A UF X .1	SG19B UF X .1	SG19C UE X .1	SG19D UE X .1	R3 LBS/UF
15/14/18/51	NR +07.000	-131.32	-3.46*7	-157.26	-4.9755	+1.1181
15/14/21/37	NR +10.000	-133.31	-8.46*7	-152.27	-20.309	+24.456
15/14/24/33	NR +20.000	-134.31	-13.9A8	-147.28	-37.814	+58.434
15/14/26/47	NR +30.000	-135.94	-18.9A8	-143.78	-59.299	+46.996
15/14/29/00	NR +40.000	-136.38	-22.4A8	-140.79	-74.633	+49.188
15/14/32/49	NR +45.000	-137.79	-25.4A8	-141.29	-84.584	+48.990
15/14/35/01	NR +50.000	-137.29	-31.4A8	-139.29	-98.019	+58.088
15/14/38/00	NR +55.000	-137.29	-36.9A8	-138.29	-109.96	+52.066
15/14/40/35	NR +60.000	-138.29	-41.4A8	-137.29	-121.90	+52.818
15/14/43/16	NR +65.000	-138.79	-47.4A8	-136.38	-134.83	+53.568
15/14/46/14	NR +70.000	-138.78	-52.9A8	-135.38	-147.77	+54.203
15/14/49/54	NR +75.000	-138.78	-58.4A8	-133.88	-160.21	+54.077
15/14/52/21	NR +80.000	-138.78	-63.9A8	-133.38	-174.64	+53.781
15/14/55/22	NR +85.000	-138.78	-69.9A8	-131.38	-188.07	+53.694
15/15/00/01	NR +90.000	-139.28	-74.4A8	-130.88	-200.51	+54.137
15/15/04/16	NR +94.000	-138.29	-73.4A8	-130.88	-217.43	+48.085
15/15/13/09	NR +50.000	-145.25	-38.4A8	-155.27	-115.93	+41.309
15/15/13/57	NR +50.000	-146.25	-33.9A8	-153.27	-109.46	+42.294
15/15/29/02	NR +90.000	-140.28	-78.4A8	-133.38	-208.47	+47.844
15/15/29/58	NR +92.000	-139.28	-72.4A8	-132.88	-212.95	+47.843
15/15/30/46	NR +94.000	-139.28	-73.9A8	-131.88	-218.42	+48.188
15/15/31/52	NR +95.000	-138.78	-75.4A8	-131.88	-221.41	+48.504
15/15/32/28	NR +96.000	-139.28	-74.4A8	-131.38	-224.39	+47.483
15/15/33/20	NR +98.000	-138.78	-67.4A8	-131.38	-230.36	+43.975
15/15/34/40	NR +100.00	-144.24	-76.4A8	-133.38	-198.06	+49.706
15/15/35/07	NR +100.00	-145.25	-26.4A8	-133.88	-189.56	+46.005
15/15/37/24	NR +0.0000	-151.75	+76.5*1	-170.74	+73.638	+14013
REF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG17A UF X .1	SG17C UF X .1	SG17B UE X .1	R6 KIP/UF	R7 KIP/UE
15/14/18/44	NR +0.0000	+8.5712	+16.3*1	+9.5297	-29.847	-44.782
15/14/21/40	NR +10.000	+5.5222	+17.7*3	+8.0297A	-2019.7	+1642.7
15/14/24/36	NR +20.000	-7.4487	+19.7*5	-10.439	+219.03	+330.07
15/14/26/45	NR +30.000	-16.928	+22.7*4	-21.487	+151.48	+220.93
15/14/29/02	NR +40.000	-24.897	+26.1A6	-32.375	+131.96	+280.83
15/14/32/58	NR +45.000	-30.381	+26.1A6	-38.855	+121.66	+188.87
15/14/35/05	NR +50.000	-34.369	+28.1*9	-44.339	+117.32	+178.99
15/14/38/02	NR +55.000	-38.357	+29.1*5	-48.826	+118.83	+181.85
15/14/40/37	NR +60.000	-41.847	+31.0*8	-54.318	+116.62	+177.81
15/14/43/24	NR +65.000	-46.833	+32.5*8	-59.295	+115.93	+178.38
15/14/46/21	NR +70.000	-50.821	+34.5*0	-63.284	+114.22	+174.62
15/14/50/01	NR +75.000	-55.308	+36.0*0	-68.269	+113.48	+171.57
15/14/52/19	NR +80.000	-59.794	+38.0*2	-72.754	+112.36	+170.23
15/14/55/30	NR +85.000	-64.281	+41.4*5	-76.246	+112.55	+170.92
15/15/00/03	NR +90.000	-69.267	+43.4*7	-81.231	+110.84	+178.55
15/15/04/18	NR +94.000	-72.756	+45.8*3	-82.228	+112.93	+173.85
15/15/13/07	NR +50.000	-74.864	+38.6*5	-42.844	-182.24	-184.47
15/15/13/58	NR +50.000	-75.865	+29.1*5	-44.339	+118.42	+180.47
15/15/29/00	NR +90.000	-69.267	+46.8*9	-78.738	+117.93	+178.89
15/15/29/02	NR +92.000	-70.749	+48.3*9	-80.234	+113.59	+174.52
15/15/30/55	NR +94.000	-72.756	+48.8*2	-81.738	+113.68	+178.57
15/15/31/50	NR +95.000	-73.753	+49.3*5	-82.228	+114.43	+174.81
15/15/32/24	NR +96.000	-74.758	+50.3*2	-83.225	+113.63	+175.67
15/15/33/16	NR +98.000	-76.244	+58.8*5	-82.727	+115.58	+178.75
15/15/34/42	NR +100.00	-86.715	+64.1A0	-78.738	+119.39	+187.20
15/15/35/09	NR +100.00	-86.715	+64.1A0	-78.248	+120.81	+188.28
15/15/37/33	NR +0.0000	-17.917	+11.7*2	-10.439	+19.488	+99.787
REF						

Figure A2-97G: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 10
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	EN1-NE INCHES X100	EN1-NS INCHES X100	LPP PC10 X100
15/14/18/44	NR +0.0000	+2.3491	-1.48144	+2.28654	+33.203	-34.800	+101.46
15/14/21/40	NR +10.000	+5.5961	+2.8710	+3.98722	+34.863	-67.667	+101.46
15/14/24/36	NR +20.000	+0.3071	+6.2277	+1.6079	+37.187	-89.067	+102.83
15/14/26/45	NR +30.000	+12.090	+10.048	+2.3085	+39.443	-104.40	+99.641
15/14/29/02	NR +40.000	+19.881	+13.308	+3.1093	+43.828	-117.93	+100.99
15/14/32/58	NR +45.000	+17.656	+15.312	+3.4096	+45.488	-127.60	+97.747
15/14/35/05	NR +50.000	+19.048	+16.748	+3.8100	+48.144	-137.96	+99.641
15/14/38/02	NR +55.000	+21.367	+18.642	+4.0107	+51.464	-144.86	+100.93
15/14/40/37	NR +60.000	+23.221	+20.576	+4.4186	+53.789	-158.53	+101.46
15/14/43/24	NR +65.000	+25.078	+22.400	+4.8110	+57.109	-172.06	+101.46
15/14/46/21	NR +70.000	+26.006	+24.484	+5.2114	+60.429	-183.66	+100.93
15/14/50/01	NR +75.000	+27.884	+26.318	+5.5117	+63.750	-197.00	+99.641
15/14/52/19	NR +80.000	+29.717	+27.743	+6.0107	+67.734	-204.93	+100.93
15/14/55/30	NR +85.000	+31.108	+29.647	+6.2124	+71.718	-220.80	+101.46
15/15/00/03	NR +90.000	+32.964	+31.103	+6.6127	+74.787	-233.93	+98.302
15/15/04/18	NR +94.000	+33.899	+32.519	+7.0131	+79.355	-249.93	+99.641
15/15/13/07	NR +50.000	+19.512	+16.748	+3.7099	+51.117	-164.33	+100.91
15/15/13/58	NR +50.000	+19.512	+16.748	+3.7099	+51.796	-164.33	+100.93
15/15/29/00	NR +90.000	+32.964	+31.103	+6.6127	+76.367	-233.93	+100.99
15/15/30/02	NR +92.000	+33.428	+32.040	+6.8129	+78.027	-237.80	+101.46
15/15/30/55	NR +94.000	+34.359	+32.519	+6.8129	+79.687	-241.60	+100.99
15/15/31/50	NR +95.000	+34.359	+33.406	+6.9130	+80.351	-247.46	+100.93
15/15/32/24	NR +96.000	+34.810	+33.406	+7.0131	+81.479	-247.46	+100.93
15/15/33/16	NR +98.000	+35.283	+33.974	+7.2133	+83.671	-251.26	+100.99
15/15/34/42	NR +100.00	+36.211	+34.911	+7.4135	+86.210	-264.84	+98.302
15/15/35/09	NR +100.00	+36.211	+34.911	+7.2133	+86.541	-264.86	+100.99
15/15/37/33	NR +0.0000	+1.8829	-1.48144	+2.28654	-46.541	-19.333	+4.4890
EOF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12W UF X .1	SG112 UF X .1	R1 LRS/UF	SG19W UF X .1	SG119W UF X .1	R2 LRS/UF
15/14/18/51	NR +0.0000	+7.5312	-1.97070	+1.87792	-95.061	+1.4909	+1.03195
15/14/21/37	NR +10.000	+7.0309	-21.410	+32.188	-98.526	-14.097	+8.0460
15/14/24/33	NR +20.000	+7.0309	-43.907	+30.804	-100.93	-38.058	+28.079
15/14/26/47	NR +30.000	+1.5297	-66.874	+30.353	-102.04	-46.089	+37.186
15/14/29/00	NR +40.000	+1.5356	-99.011	+27.448	-101.94	-64.195	+74.349
15/14/32/49	NR +49.000	+1.5356	-100.11	+26.922	-103.95	-92.140	+67.974
15/14/35/01	NR +50.000	+12.545	-128.78	+24.770	-102.04	-82.661	+179.06
15/14/38/00	NR +55.000	+19.059	-149.75	+23.734	-101.94	-90.676	+360.00
15/14/40/35	NR +60.000	+24.563	-163.23	+22.342	-102.04	-98.692	+1251.3
15/14/43/16	NR +65.000	+12.575	-181.70	+21.340	-102.04	-104.90	+1090.8
15/14/46/14	NR +70.000	+41.588	-201.47	+20.347	-101.94	-111.99	+423.85
15/14/49/54	NR +75.000	+40.180	-219.45	+19.307	-102.04	-118.93	+111.40
15/14/52/21	NR +80.000	+42.118	-241.11	+18.656	-101.94	-124.74	+243.84
15/14/55/22	NR +85.000	+33.635	-263.88	+17.614	-101.94	-128.75	+210.46
15/15/00/01	NR +90.000	+33.640	-281.86	+17.451	-101.94	-131.75	+210.45
15/15/04/16	NR +94.000	+27.654	-261.88	+18.786	-102.04	-137.74	+183.80
15/15/13/09	NR +50.000	+12.074	-138.76	+20.487	-104.05	-93.181	+328.02
15/15/13/57	NR +50.000	+18.554	-127.78	+23.837	-104.05	-90.175	+251.72
15/15/20/02	NR +90.000	+31.146	-249.10	+18.982	-101.94	-133.96	+185.01
15/15/20/38	NR +92.000	+35.652	-256.89	+18.799	-102.04	-134.76	+184.44
15/15/30/46	NR +94.000	+39.058	-262.78	+18.762	-102.94	-137.76	+187.70
15/15/31/52	NR +95.000	+04.165	-266.88	+18.709	-102.94	-137.76	+191.37
15/15/32/28	NR +96.000	+05.667	-266.88	+18.632	-101.05	-137.76	+194.44
15/15/33/20	NR +98.000	+04.165	-244.11	+20.203	-103.95	-127.74	+202.27
15/15/34/40	NR +100.00	+10.468	-200.17	+22.810	-102.04	-31.561	+98.982
15/15/35/07	NR +100.00	+10.468	-200.17	+22.824	-101.04	-31.561	+100.21
15/15/37/24	NR +0.0000	-105.69	+117.15	+1.01367	-104.05	+44.312	+1.01006
EOF							

Figure A2-97H: TABULATED TRANSDUCER DATA-PANEL 2A-1-P-1M-CONDITION 10
(Continued)

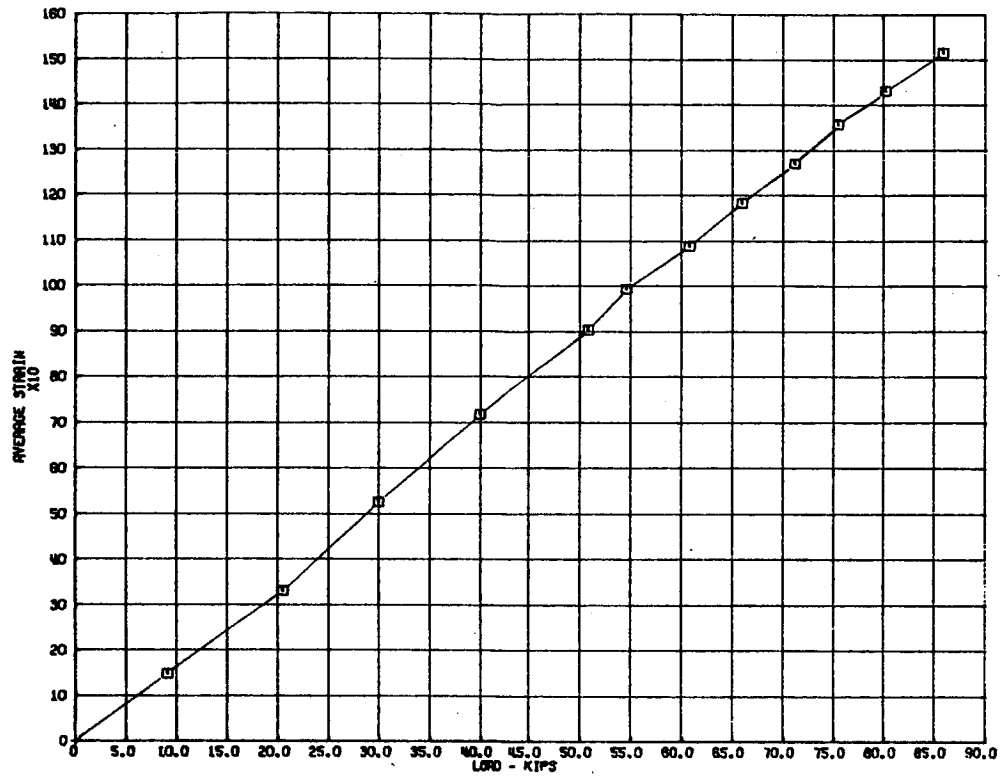


Figure A2-98: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-1-P-1M—CONDITION 1

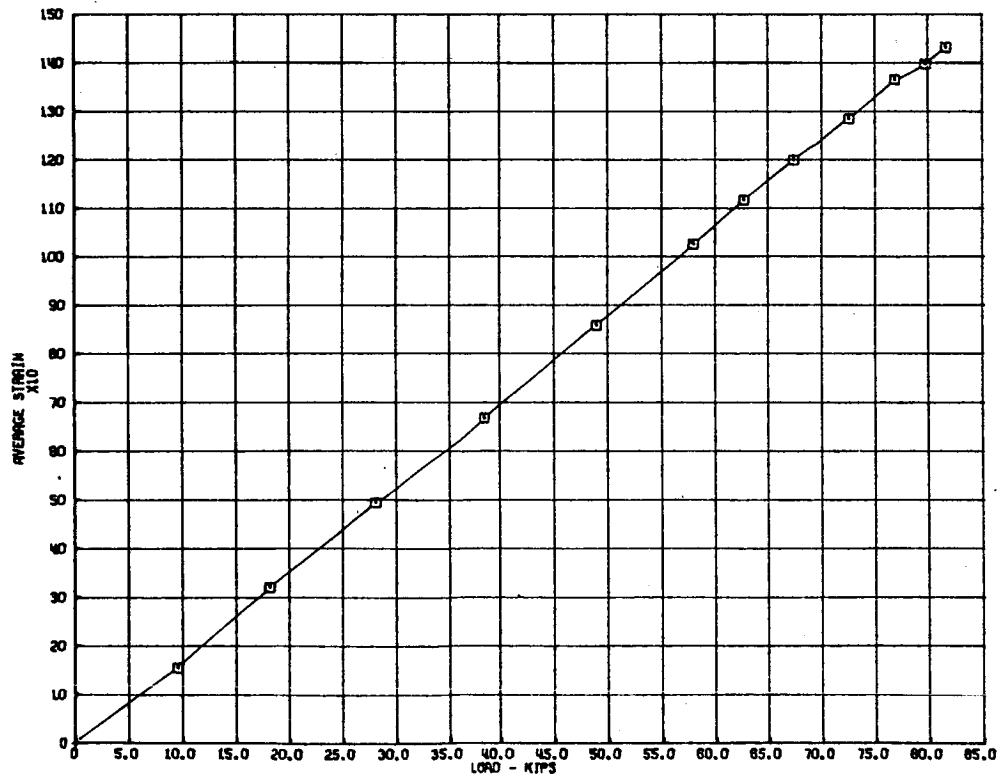


Figure A2-99: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-1-P-1M—CONDITION 3

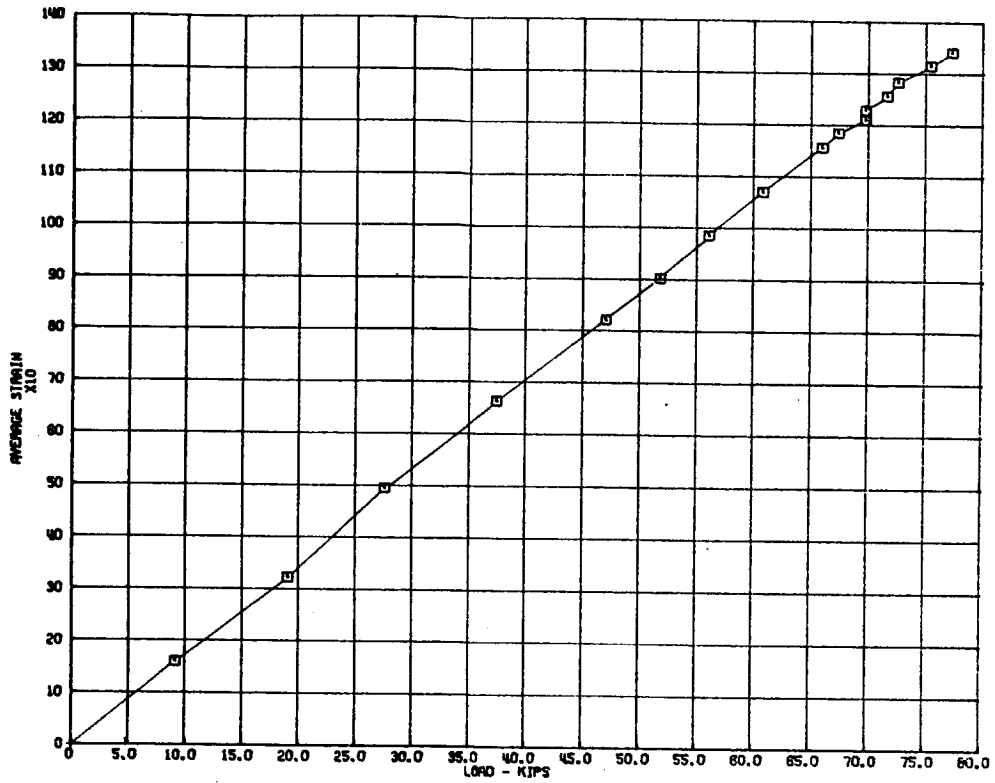


Figure A2-100: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 2A-1-P-1M-CONDITION 4

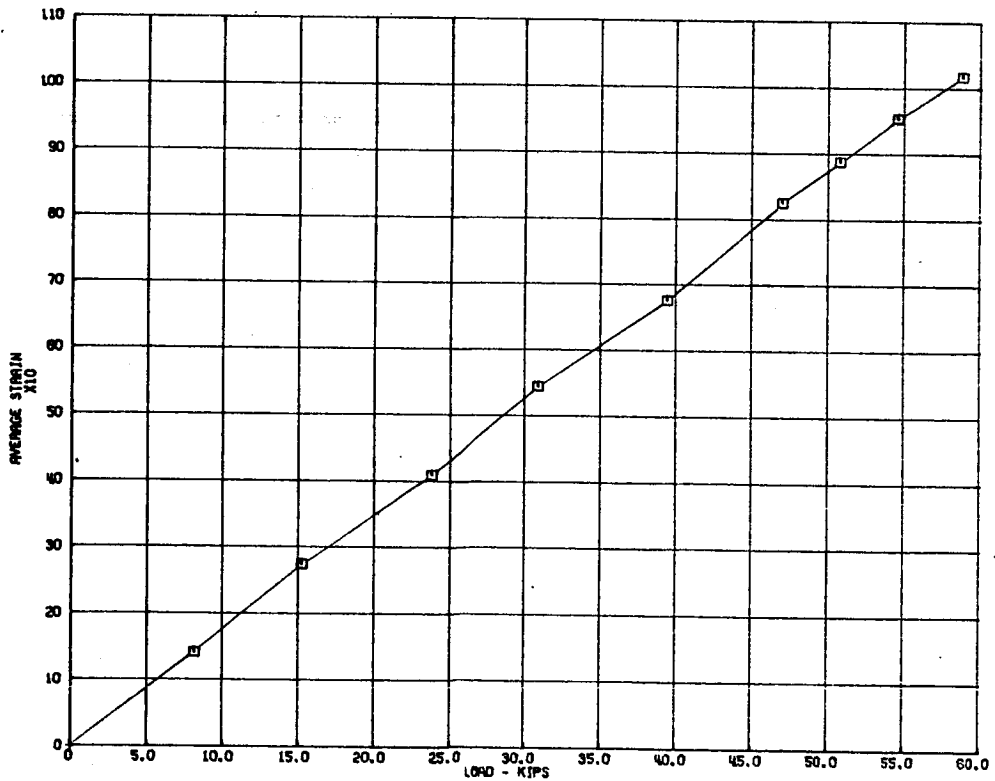


Figure A2-101: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 2A-1-P-1M-CONDITION 5

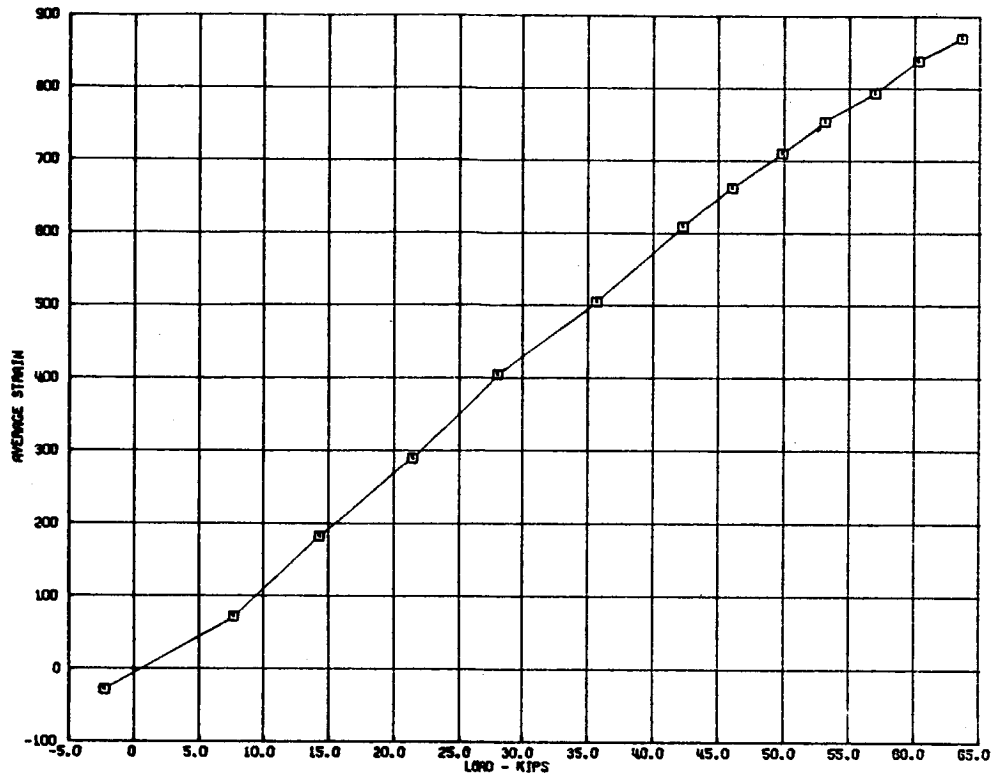


Figure A2-102: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 2A-1-P-1M-CONDITION 6

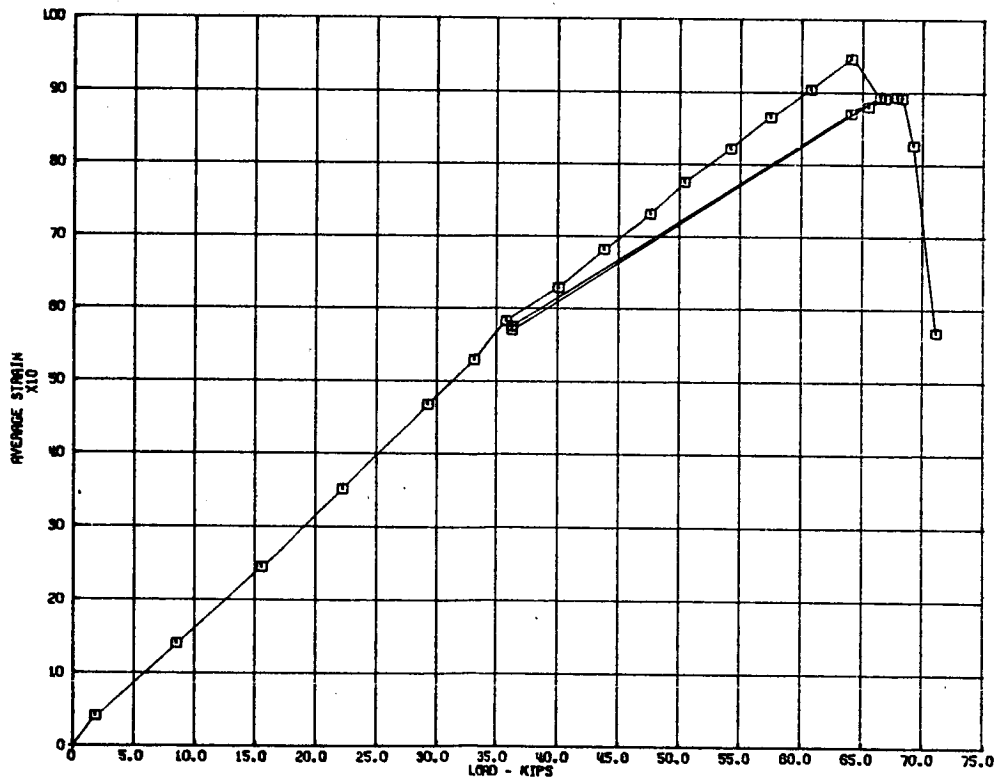


Figure A2-103: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 2A-1-P-1M-CONDITION 10

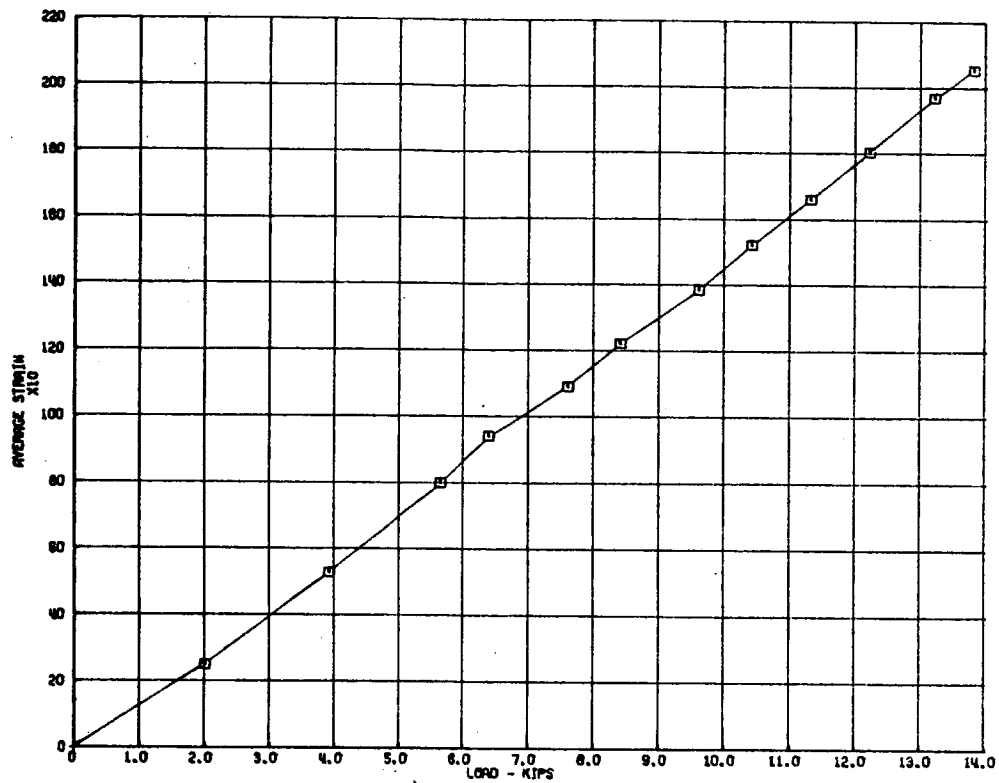


Figure A2-104: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-1-P-1M-CONDITION 2

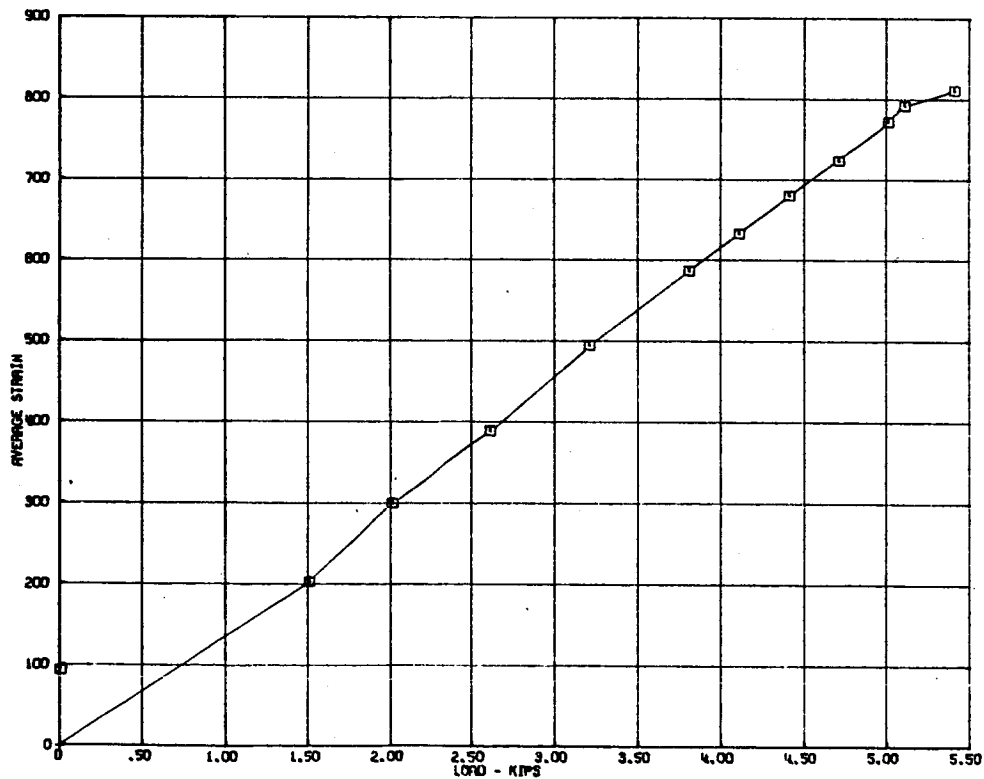


Figure A2-105: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-1-P-1M-CONDITION 3

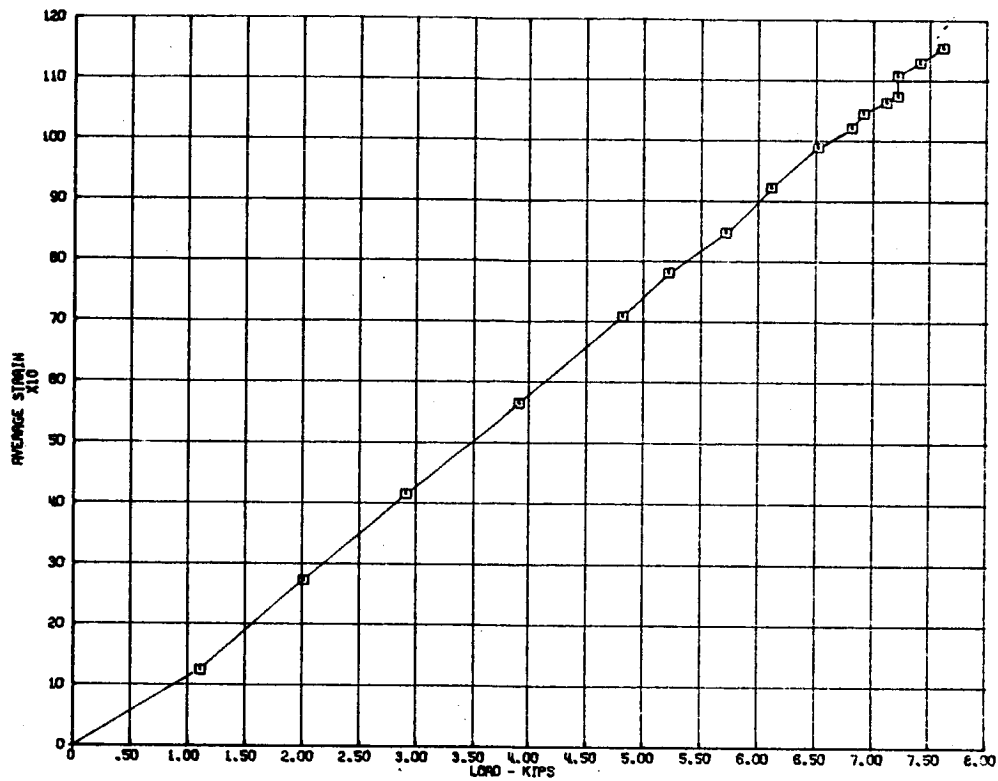


Figure A2-106 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-1-P-1M-CONDITION 4

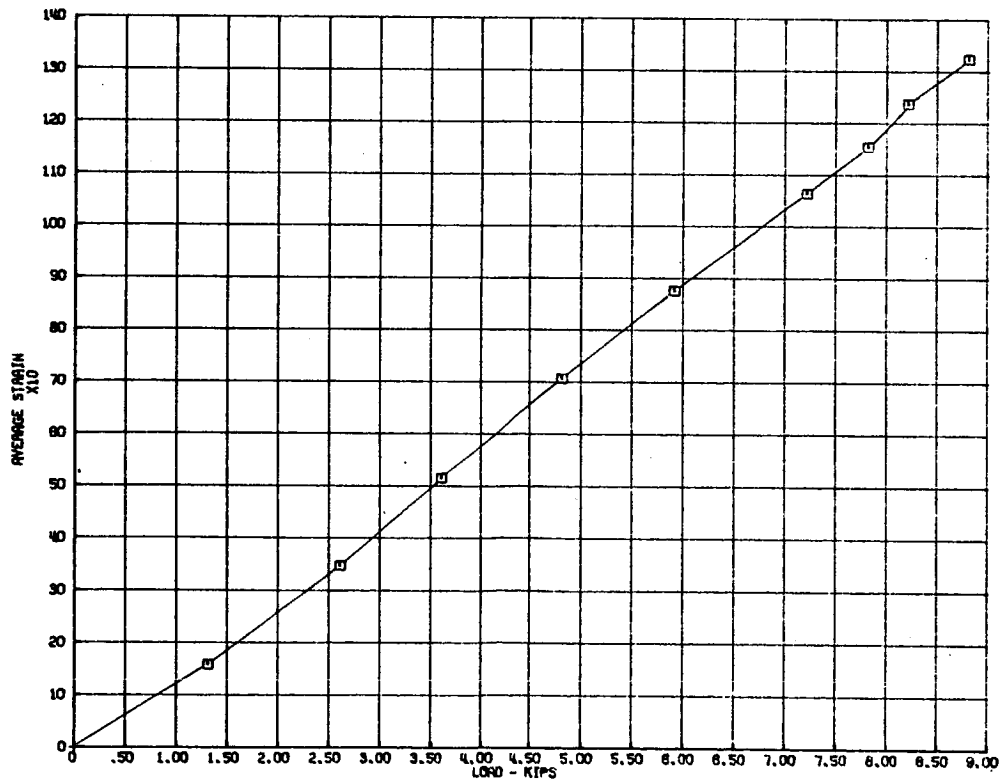


Figure A2-107 : AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-1-P-1M-CONDITION 5

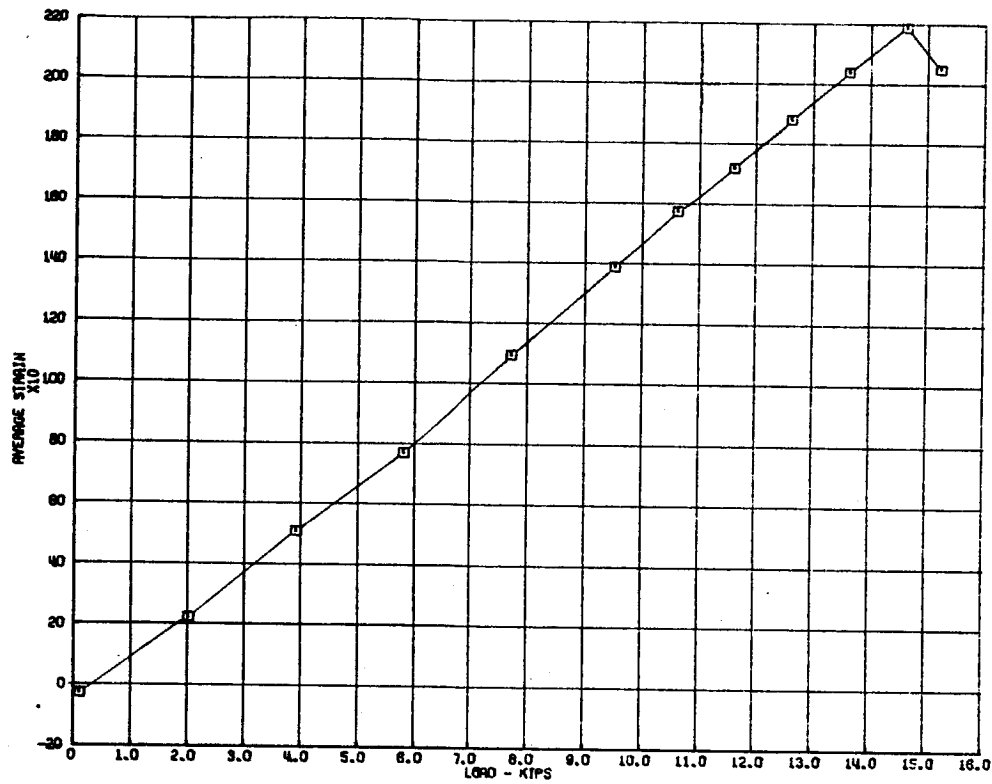


Figure A2-108: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-1-P-1M-CONDITION 7

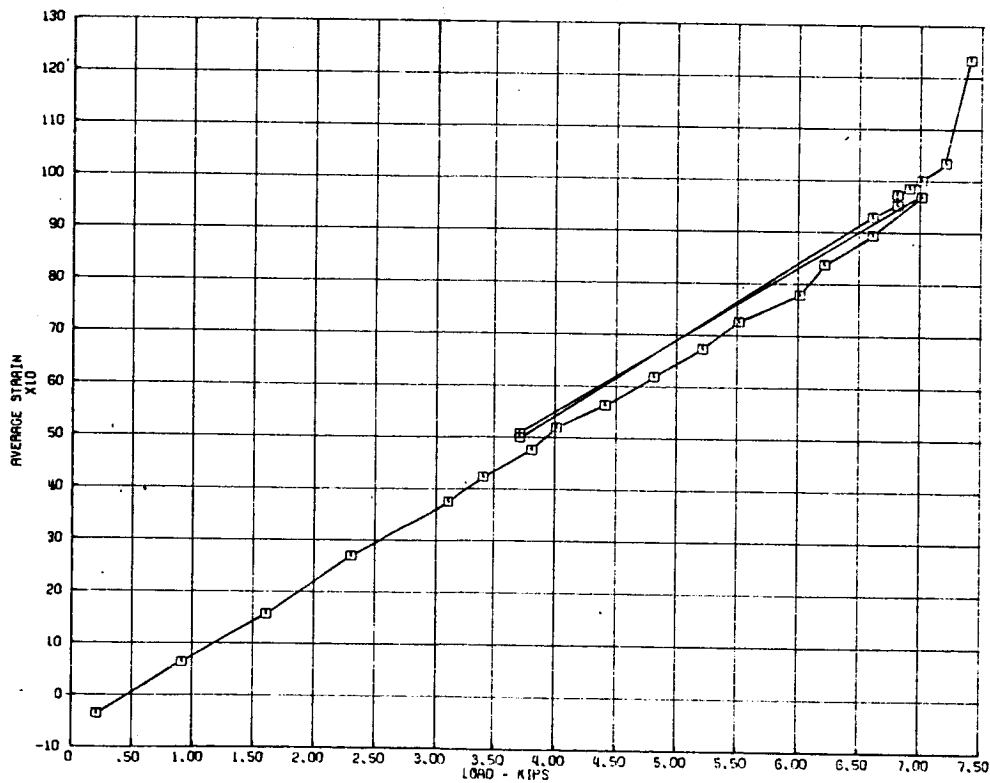


Figure A2-109: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-1-P-1M-CONDITION 10

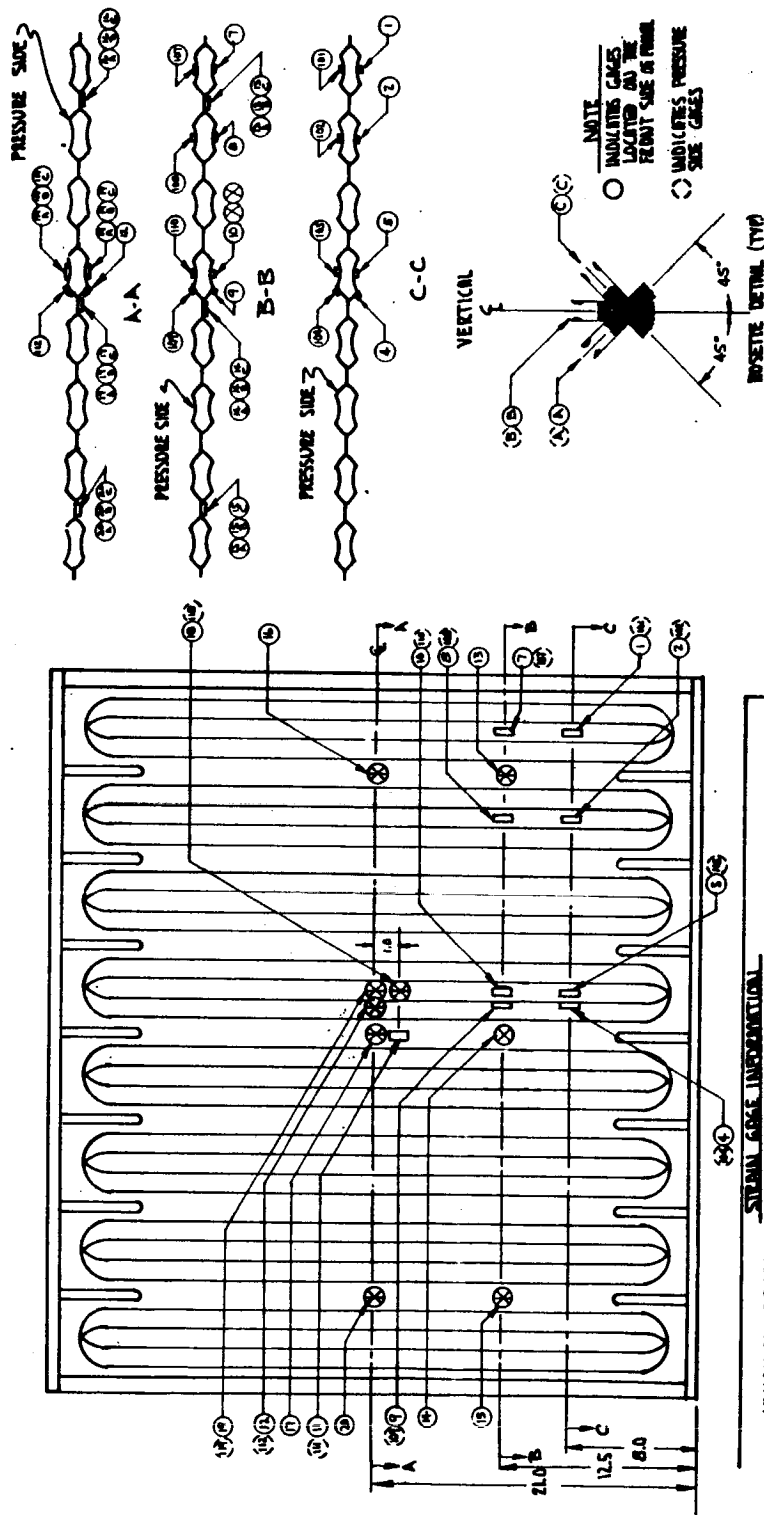


Figure A2-110: STRAIN GAGE INSTALLATION-PANEL NO. 2A-2P.1

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SP17A KIPS	SP17B KIPS	SP17C KIPS	SP17D KIPS	SP17E KIPS	SP17F KIPS	SP17G KIPS	SP17H KIPS	SP17I KIPS
28/14/42/36	RR +0.000	-4.7554	+1.4355	+1.0054	-1.2373	+0.2743	+0.2743	+0.2743	+0.2743	+0.2743
28/14/46/03	RR +10.000	+11.770	+11.484	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/49/47	RR +20.000	+23.550	+24.484	+1.0054	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/53/11	RR +30.000	+35.281	+36.347	+1.0054	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/56/08	RR +35.000	+42.407	+41.610	-1.0205	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/59/17	RR +40.000	+47.110	+47.851	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/03/22	RR +45.000	+53.244	+54.072	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/10/38	RR +50.000	+58.894	+59.814	+1.0054	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/13/23	RR +0.0000	-4.7554	-4.9946	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
EOF										

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SP17A KIPS	SP17B KIPS	SP17C KIPS	SP17D KIPS	SP17E KIPS	SP17F KIPS	SP17G KIPS	SP17H KIPS	SP17I KIPS
28/14/42/36	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/46/03	RR +10.000	-10.414	-10.347	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/49/47	RR +20.000	-20.844	-20.712	-2.4746	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/53/11	RR +30.000	-31.274	-31.080	-3.7119	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/56/08	RR +35.000	-36.244	-36.040	-4.2490	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/59/17	RR +40.000	-41.214	-41.010	-4.7861	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/03/22	RR +45.000	-46.184	-45.980	-5.3232	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/10/38	RR +50.000	-51.154	-50.950	-5.8603	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/13/23	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
EOF										

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SP17A KIPS	SP17B KIPS	SP17C KIPS	SP17D KIPS	SP17E KIPS	SP17F KIPS	SP17G KIPS	SP17H KIPS	SP17I KIPS
28/14/42/36	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/46/03	RR +10.000	-10.414	-10.347	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/49/47	RR +20.000	-20.844	-20.712	-2.4746	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/53/11	RR +30.000	-31.274	-31.080	-3.7119	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/56/08	RR +35.000	-36.244	-36.040	-4.2490	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/59/17	RR +40.000	-41.214	-41.010	-4.7861	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/03/22	RR +45.000	-46.184	-45.980	-5.3232	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/10/38	RR +50.000	-51.154	-50.950	-5.8603	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/13/23	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
EOF										

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SP17A KIPS	SP17B KIPS	SP17C KIPS	SP17D KIPS	SP17E KIPS	SP17F KIPS	SP17G KIPS	SP17H KIPS	SP17I KIPS
28/14/42/36	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/46/03	RR +10.000	-10.414	-10.347	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/49/47	RR +20.000	-20.844	-20.712	-2.4746	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/53/11	RR +30.000	-31.274	-31.080	-3.7119	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/56/08	RR +35.000	-36.244	-36.040	-4.2490	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/59/17	RR +40.000	-41.214	-41.010	-4.7861	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/03/22	RR +45.000	-46.184	-45.980	-5.3232	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/10/38	RR +50.000	-51.154	-50.950	-5.8603	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/13/23	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
EOF										

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SP17A KIPS	SP17B KIPS	SP17C KIPS	SP17D KIPS	SP17E KIPS	SP17F KIPS	SP17G KIPS	SP17H KIPS	SP17I KIPS
28/14/42/36	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/46/03	RR +10.000	-10.414	-10.347	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/49/47	RR +20.000	-20.844	-20.712	-2.4746	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/53/11	RR +30.000	-31.274	-31.080	-3.7119	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/56/08	RR +35.000	-36.244	-36.040	-4.2490	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/14/59/17	RR +40.000	-41.214	-41.010	-4.7861	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/03/22	RR +45.000	-46.184	-45.980	-5.3232	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/10/38	RR +50.000	-51.154	-50.950	-5.8603	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
28/15/13/23	RR +0.0000	+1.0230	+1.0230	+0.0000	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373	-1.2373
EOF										

Figure A2-111A: TABULATED TRANSDUCER DATA-PANEL 2A-2P-1-CONDITION 1
(100 PERCENT LOAD = 238 KIPS)

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG14A UF X .1	SG15H UF X .1	SG15C UF X .1	SG16A UF X .1	SG16R UF X .1	SG16C UF X .1	
28/14/42/36	NR +0.0000	-4.46678	+4.49884	+0.02888	+0.0000	+5.52781	+0.00000	
28/14/46/03	NR +10.000	-13.814	-49.316	-15.947	-0.4538	-31.875	-11.004	
28/14/49/47	NR +20.000	-28.191	-91.710	-31.924	-21.892	-47.771	-23.818	
28/14/53/11	NR +30.000	-43.444	-138.19	-46.402	-32.838	-102.66	-35.245	
28/14/56/09	NR +35.000	-60.491	-195.04	-52.394	-48.889	-121.11	-41.784	
28/14/59/17	NR +40.000	-75.910	-178.47	-59.883	-43.287	-131.87	-46.195	
28/15/03/22	NR +45.000	-92.851	-201.40	-67.372	-49.243	-151.82	-51.048	
28/15/10/38	NR +50.000	-109.288	-221.14	-74.881	-54.233	-167.97	-57.185	
28/15/13/23	NR +0.0000	+5.52341	+2.0041	+1.5239	+1.5048	+4.0214	+1.9244	
REF								
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG18A UF X .1	SG18H UF X .1	SG18C UF X .1	SG110A UF X .1	SG110R UF X .1	SG110C UF X .1	
28/14/42/47	NR +0.0000	+5.53078	+4.49785	-4.4533	-4.46788	+4.40853	-4.47119	
28/14/46/04	NR +10.000	-24.011	-30.848	-28.331	-27.335	-38.418	-27.701	
28/14/49/40	NR +20.000	-54.621	-43.189	-59.677	-58.681	-61.818	-57.001	
28/14/53/01	NR +30.000	-85.424	-91.580	-92.018	-91.520	-89.237	-89.005	
28/14/56/09	NR +35.000	-100.32	-103.08	-108.43	-107.94	-101.20	-105.59	
28/14/59/18	NR +40.000	-114.24	-114.43	-123.86	-123.86	-118.17	-128.38	
28/15/03/30	NR +45.000	-130.61	-124.78	-141.27	-142.27	-121.44	-132.09	
28/15/10/35	NR +50.000	-147.03	-135.83	-159.18	-167.14	-128.12	-150.04	
28/15/13/30	NR +0.0000	+1.5329	+1.4956	-4.4677	-4.4644	+1.0041	-4.47119	
REF								
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG19A UF X .1	SG19H UF X .1	SG19C UF X .1	SG110A UF X .1	SG110R UF X .1	SG110C UF X .1	
28/14/42/47	NR +0.0000	+4.49511	+0.0876	+0.03078	-0.0011	-4.4479	-4.50807	
28/14/46/04	NR +10.000	-25.258	-30.474	-27.428	-26.888	-31.875	-27.843	
28/14/49/40	NR +20.000	-54.458	-41.878	-58.882	-57.716	-63.282	-57.249	
28/14/53/01	NR +30.000	-85.659	-89.817	-91.834	-90.858	-91.699	-88.847	
28/14/56/09	NR +35.000	-100.58	-101.41	-107.31	-106.97	-101.86	-103.08	
28/14/59/18	NR +40.000	-113.87	-111.80	-122.78	-122.39	-114.13	-118.01	
28/15/03/30	NR +45.000	-130.71	-121.79	-140.26	-139.81	-124.68	-136.13	
28/15/10/35	NR +50.000	-148.55	-132.77	-156.73	-163.19	-131.58	-157.72	
28/15/13/30	NR +0.0000	-4.40511	+1.9312	+5.53027	-4.90511	+1.0312	-4.50807	
REF								
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG20A UF X .1	SG20H UF X .1	SG20C UF X .1	D-1 INCHES X1000	D-3 INCHES X1000	D-4 INCHES X1000	D-5 INCHES X1000
28/14/42/47	NR +0.0000	+4.40568	+0.0000	-4.4533	-0.02794	-3.7507	+1.7421	+0.07393
28/14/46/04	NR +10.000	-11.908	-17.242	-14.924	-0.02794	-81.484	-15.241	+16.249
28/14/49/40	NR +20.000	-24.792	-25.021	-27.387	-0.02794	-87.313	-32.174	+36.538
28/14/53/01	NR +30.000	-38.188	-113.27	-39.851	-1.4544	-85.370	-49.985	+62.483
28/14/56/09	NR +35.000	-43.634	-127.48	-44.337	-2.7817	-79.541	-62.787	+76.267
28/14/59/18	NR +40.000	-50.578	-147.85	-50.320	-2.7817	-87.313	-72.057	+92.483
28/15/03/30	NR +45.000	-57.514	-166.43	-56.881	-4.4162	-95.088	-84.789	+111.13
28/15/10/35	NR +50.000	-64.460	-185.81	-62.285	-1.4544	-83.427	-96.843	+137.87
28/15/13/30	NR +0.0000	+4.40568	+0.0000	+0.03171	-0.02794	-13.475	+2.9844	-2.4067
REF								
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG12H UF X .1	SG112H UF X .1	H-1 KIPS/IN	SG12A UF X .1	SG112A UF X .1	H-2 KIPS/IN	
28/14/42/43	NR +0.0000	+4.49759	+1.0000	-1.7495	+5.52784	+1.4240	+1.7686	
28/14/46/08	NR +10.000	-18.312	-19.000	-914.87	-8.4796	-8.4568	-1843.1	
28/14/49/38	NR +20.000	-80.604	-92.540	-1561.6	-15.472	-12.435	+1591.7	
28/14/53/08	NR +30.000	-121.48	-122.40	-1637.5	-23.472	-20.412	-1749.4	
28/14/56/08	NR +35.000	-130.94	-144.00	+1088.1	-26.072	-23.403	-1764.3	
28/14/59/25	NR +40.000	-159.72	-163.00	+1080.3	-30.472	-26.394	-1775.3	
28/15/03/20	NR +45.000	-178.42	-184.00	+1000.1	-33.072	-29.185	-1743.0	
28/15/10/41	NR +50.000	-196.03	-205.00	+1342.5	-37.472	-32.378	-1734.8	
28/15/13/20	NR +0.0000	+0.9853	+3.5000	-185.67	+1.0293	+1.0249	+1820.0	
REF								

Figure A2-111B: TABULATED TRANSDUCER DATA—PANEL 2A-2P-1—CONDITION 1
(Continued)

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SC12C UF X .1	SC112C UF X .1	R-3 KIPS/HF	SC10R UF X .1	SC110R UF X .1	R-4 KIPS/HF
28/14/42/43	RR +9.0000	-7.4794	+0.07793	-1.3515A	-1.4A48	+0.0658	-1.59742
28/14/46/00	RR +10.0000	-7.9214	-7.4791	+770.5A	-31.170	-30.054	+1085.7
28/14/49/39	RR +20.0000	+3.853	-15.472	-1110.1	-62.286	-62.087	-463.86
28/14/53/00	RR +30.0000	-19.884	-23.972	+1723.2	-90.204	-90.884	-1449.1
28/14/56/00	RR +35.0000	-20.794	-26.972	+1347.2	-102.16	-101.34	-1137.3
28/14/59/29	RR +40.0000	-24.240	-29.972	+1656.9	-112.43	-111.13	+1313.1
28/15/03/20	RR +45.0000	-26.241	-34.472	+1300.1	-121.40	-122.81	+1324.3
28/15/10/41	RR +50.0000	-27.724	-38.472	+119.7	-132.08	-130.30	-1401.0
28/15/13/20	RR +0.0000	+1.4851	+1.0278	-38.022	+2.0489	+1.4877	-66.055
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SC1 UF X .1	SC101 UF X .1	SC2 UF X .1	SC102 UF X .1	SC4 UF X .1	SC104 UF X .1
28/14/42/38	RR +0.0000	+0.02441	+0.02441	+0.50878	-1.4392	+1.0146	+0.99214
28/14/46/00	RR +10.0000	-13.197	-10.470	-10.018	-13.402	-10.470	-20.947
28/14/49/39	RR +20.0000	-27.834	-22.352	-22.898	-28.882	-42.240	-44.274
28/14/52/58	RR +30.0000	-41.527	-34.254	-35.778	-42.067	-44.072	-60.680
28/14/56/01	RR +35.0000	-48.618	-39.401	-42.457	-50.849	-74.513	-78.076
28/14/59/26	RR +40.0000	-52.899	-44.251	-46.750	-56.187	-93.531	-87.191
28/15/03/21	RR +45.0000	-58.925	-49.012	-52.952	-62.798	-93.073	-97.505
28/15/10/42	RR +50.0000	-65.809	-55.677	-59.154	-69.880	-101.09	-108.62
28/15/13/21	RR +0.0000	+3.0630	+1.5444	+1.5268	+0.0000	+1.0144	+1.4282
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SC5 UF X .1	SC105 UF X .1	SC7 UF X .1	SC107 UF X .1	SC8 UF X .1	SC108 UF X .1
28/14/42/38	RR +0.0000	-1.48291	-1.51074	-1.51025	+0.0000	+0.0000	+0.0000
28/14/46/00	RR +10.0000	-14.711	-17.085	-17.173	-15.791	-17.614	-18.633
28/14/49/39	RR +20.0000	-31.340	-34.646	-33.878	-33.496	-37.133	-38.170
28/14/52/58	RR +30.0000	-47.035	-51.782	-52.475	-50.244	-59.700	-60.793
28/14/56/01	RR +35.0000	-53.689	-59.326	-60.585	-58.857	-64.744	-68.323
28/14/59/26	RR +40.0000	-60.928	-65.970	-66.318	-63.442	-72.183	-75.947
28/15/03/21	RR +45.0000	-68.429	-73.889	-74.410	-70.820	-79.504	-83.825
28/15/10/42	RR +50.0000	-76.981	-89.747	-82.052	-79.433	-87.597	-92.689
28/15/13/21	RR +0.0000	+1.8410	+1.51074	+1.5207	+1.9140	+1.4282	+3.9408
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SC9 UF X .1	SC109 UF X .1	SC10 UF X .1	SC110 UF X .1	SC11 UF X .1	SC111 UF X .1
28/14/42/38	RR +0.0000	+0.0000	+0.0000	+1.8410	+0.0000	+0.0000	-1.47448
28/14/46/00	RR +10.0000	-31.798	-31.470	-21.508	-22.116	-37.088	-38.917
28/14/49/39	RR +20.0000	-64.079	-65.222	-43.041	-43.786	-78.310	-79.289
28/14/52/58	RR +30.0000	-97.769	-97.505	-65.931	-65.097	-118.17	-120.85
28/14/56/01	RR +35.0000	-112.95	-113.70	-75.102	-74.128	-138.18	-139.06
28/14/59/26	RR +40.0000	-125.29	-127.48	-83.715	-83.160	-151.77	-157.89
28/15/03/21	RR +45.0000	-141.43	-149.22	-98.893	-91.240	-172.504	-177.07
28/15/10/42	RR +50.0000	-154.72	-158.85	-101.89	-94.002	-191.16	-196.48
28/15/13/21	RR +0.0000	+1.5207	+2.5585	+1.5483	+1.5437	+2.5449	+1.8984
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SC21 UF X .1	SC22 UF X .1	SC24 UF X .1	R-5 KIPS/INCHES X1000	R-6 KIPS/HF	
28/14/42/38	RR +0.0000	+0.00439	-0.00634	+0.02734	-0.04705	-0.04667	
28/14/46/00	RR +10.0000	-13.802	-30.857	-29.010	+78.476	+74.843	
28/14/49/39	RR +20.0000	-67.279	-59.185	-64.433	+250.03	+1720.7	
28/14/52/58	RR +30.0000	-101.17	-89.031	-97.033	+258.47	+1969.2	
28/14/56/01	RR +35.0000	-113.71	-97.630	-114.91	+170.50	+2037.0	
28/14/59/26	RR +40.0000	-131.52	-115.33	-127.87	+204.12	-1742.1	
28/15/03/21	RR +45.0000	-148.72	-130.00	-144.12	+164.86	-986.02	
28/15/10/42	RR +50.0000	-165.02	-144.17	-160.87	+124.19	-1393.5	
28/15/13/21	RR +0.0000	+1.9136	+1.9100	+1.5463	-3.4385	-48.418	
ECF							

Figure A2-111C: TABULATED TRANSDUCER DATA—PANEL 2A-2P-1—CONDITION 1
(Continued)

TIME IN DAY/HH/MTN/SEC	PER CENT LOAD	SG12C UF X .1	SG12D UF X .1	R-3 KIPS/HIE X .1	SG10R UF X .1	SG14R UF X .1	R-4 KIPS/HIE X .1
05/10/46/26	GM +10.000	+5.5000	-1.47076	-45.473	+1.0322	+1.0312	-452.40
05/10/51/27	GM +10.000	-2.0912	-4.4569	+15.859	-3.049	-3.048	-1540.0
05/10/54/40	GM +20.000	-4.4864	-7.4487	+13.843	-75.369	-76.068	+784.85
05/10/56/13	GM +10.000	-4.4864	-10.449	+15.844	-112.46	-113.46	-876.75
05/10/59/36	GM +15.000	-1.0424	-12.475	+12.852	-130.06	-131.46	+740.63
05/11/03/09	GM +40.000	-1.1838	-11.077	+1472.0	-147.46	-148.06	-1257.2
05/11/07/83	GM +50.000	-2.0824	-14.479	+1433.4	-181.06	-182.06	-1720.0
05/11/10/44	GM +55.000	-4.4864	-15.955	+1250.8	-197.06	-198.06	+768.86
05/11/15/15	GM +40.000	-4.1864	-16.072	+1145.7	-215.46	-217.06	+1303.2
05/11/18/48	GM +10.000	+0.0000	+0.0793	+768.17	+6.0366	+6.0244	-188.83
CFE							

TIME IN DAY/HH/MTN/SEC	PER CENT LOAD	SG1 UF X .1	SG11 UF X .1	SG2 UF X .1	SG102 UF X .1	SG4 UF X .1	SG184 UF X .1
05/10/46/23	GM +10.000	-5.1075	+0.0204	+0.9556	+1.0305	+0.9515	-58027
05/10/51/20	GM +10.000	-4.1864	-4.2548	-3.8222	-4.4416	-4.4378	-33.355
05/10/54/33	GM +20.000	-2.377	-5.8441	-12.422	-15.487	-15.124	-65.292
05/10/56/14	GM +10.000	-7.1138	-9.0893	-18.633	-23.788	-23.728	-84.788
05/10/59/37	GM +15.000	-19.513	-19.469	-23.889	-30.445	-31.06	-108.84
05/11/03/10	GM +40.000	-24.279	-14.277	-29.622	-34.434	-34.01	-128.02
05/11/06/51	GM +50.000	-24.181	-24.214	-29.178	-40.812	-40.75	-147.77
05/11/10/45	GM +55.000	-41.418	-29.448	-44.434	-53.772	-53.772	-156.42
05/11/15/16	GM +40.000	-45.703	-14.675	-48.713	-59.041	-59.041	-168.83
05/11/18/49	GM +10.000	+7.0408	+0.0204	+1.4331	+2.4415	+0.9515	+58027
CFE							

TIME IN DAY/HH/MTN/SEC	PER CENT LOAD	SG5 UF X .1	SG105 UF X .1	SG7 UF X .1	SG107 UF X .1	SG8 UF X .1	SG108 UF X .1
05/10/46/23	GM +10.000	+0.0230	-5.0977	+2.0488	+2.5786	+1.4257	+1.4581
05/10/51/20	GM +10.000	-4.4411	-5.2475	-21.467	-17.277	-20.415	-21.478
05/10/54/33	GM +20.000	-13.795	-10.475	-40.540	-36.806	-42.385	-42.976
05/10/56/14	GM +10.000	-19.971	-16.219	-60.108	-55.117	-63.805	-63.908
05/10/59/37	GM +15.000	-24.711	-19.082	-69.172	-63.268	-74.151	-74.087
05/11/03/10	GM +40.000	-29.014	-24.574	-78.713	-73.337	-82.784	-84.583
05/11/06/51	GM +50.000	-43.774	-32.867	-94.454	-88.441	-100.77	-109.08
05/11/10/45	GM +55.000	-50.430	-42.974	-101.41	-95.874	-100.80	-119.25
05/11/15/16	GM +40.000	-55.208	-49.176	-109.24	-104.02	-118.34	-129.76
05/11/18/49	GM +10.000	+1.0434	+1.0180	+3.0703	+3.0459	+0.9044	+2.9705
CFE							

TIME IN DAY/HH/MTN/SEC	PER CENT LOAD	SG9 UF X .1	SG109 UF X .1	SG10 UF X .1	SG110 UF X .1	SG11 UF X .1	SG111 UF X .1
05/10/46/23	GM +10.000	-1.2363	+1.5224	+1.5369	+1.50244	+0.0000	+0.53544
05/10/51/20	GM +10.000	-10.112	-31.470	-25.258	-23.844	-30.914	-34.983
05/10/54/33	GM +20.000	-28.254	-62.841	-44.111	-45.842	-77.888	-76.881
05/10/56/14	GM +10.000	-25.253	-92.874	-71.532	-68.298	-114.16	-116.43
05/10/59/37	GM +15.000	-29.442	-108.64	-84.898	-79.287	-134.25	-139.44
05/11/03/10	GM +40.000	-14.451	-124.73	-97.293	-91.231	-157.81	-154.46
05/11/06/51	GM +50.000	-144.93	-178.53	-115.37	-100.38	-189.47	-159.48
05/11/10/45	GM +55.000	-172.14	-173.78	-125.01	-114.48	-207.80	-207.49
05/11/15/16	GM +40.000	-172.87	-189.05	-135.44	-127.94	-220.18	-227.18
05/11/18/49	GM +10.000	-1.47543	+1.0180	+2.0586	+0.9044	+0.9332	+2.8859
CFE							

TIME IN DAY/HH/MTN/SEC	PER CENT LOAD	SG21 UF X .1	SG22 UF X .1	SG24 UF X .1	R-5 KIPS/INCHES X 1000	R-6 KIPS/HIE X 1000
05/10/46/23	GM +10.000	+1.4689	+2.5364	+3.7441	-0.0191	-03.676
05/10/51/20	GM +10.000	-12.205	-28.136	-33.489	+240.42	-1258.4
05/10/54/33	GM +20.000	-65.667	-58.283	-64.968	+514.95	-1399.0
05/10/56/14	GM +10.000	-76.110	-84.410	-86.045	+391.89	-649.85
05/10/59/37	GM +15.000	-111.04	-96.448	-115.72	+447.87	+1415.2
05/11/03/10	GM +40.000	-127.70	-110.53	-131.46	+500.00	-234.84
05/11/06/51	GM +50.000	-159.01	-137.14	-164.45	+548.06	+176.90
05/11/10/45	GM +55.000	-175.10	-150.73	-180.18	+590.06	-112.86
05/11/15/16	GM +40.000	-171.72	-164.20	-184.03	+2047.9	+157.14
05/11/18/49	GM +10.000	+4.0717	+2.4366	+3.0541	+2047.9	-93.948
CFE						

Figure A2-112A: TABULATED TRANSDUCER DATA-PANEL 2A-2P-1M-CONDITION 1
(100 PERCENT LOAD = 238 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC15A UE X .1	SC15B UE X .1	SC15C UE X .1	SC15A UE X .1	SC15B UE X .1	SC15C UE X .1	
05/10/46/10	RM	+4.4755	+1.0372	+1.0670	+1.5441	+3.0234	+5.5240	
05/10/51/17	RM	+10.000	-44.188	-13.979	-10.094	-11.375	-1.1375	
05/10/53/35	RM	+20.000	-78.854	-43.359	-28.458	-22.437	-66.443	
05/10/56/11	RM	+30.000	-42.798	-132.42	-40.949	-33.491	-89.482	
05/10/59/42	RM	+35.000	-48.788	-151.450	-47.430	-38.013	-114.98	
05/11/03/05	RM	+40.000	-56.721	-173.76	-52.423	-44.405	-133.31	
05/11/06/57	RM	+50.000	-70.155	-216.84	-65.903	-54.890	-164.85	
05/11/10/46	RM	+55.000	-77.121	-235.86	-73.891	-59.882	-181.87	
05/11/15/18	RM	+60.000	-83.580	-255.83	-80.881	-65.875	-197.80	
05/11/18/44	RM	+65.000	-89.989	-275.846	-87.890	-71.874	-213.81	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC15A UE X .1	SC15B UE X .1	SC15C UE X .1	SC15A UE X .1	SC15B UE X .1	SC15C UE X .1	
05/10/46/16	RM	+5.0044	+1.0223	+1.0247A	+1.0283	+1.0281	+1.0010	
05/10/51/22	RM	+10.000	-4.877	-19.277	-24.150	-24.896	-24.914	
05/10/53/37	RM	+20.000	-78.768	-78.584	-49.72A	-49.893	-49.384	
05/10/56/15	RM	+30.000	-73.141	-116.79	-74.106	-74.750	-111.80	
05/10/59/43	RM	+35.000	-80.087	-139.70	-80.545	-87.711	-120.27	
05/11/03/04	RM	+40.000	-75.511	-152.72	-89.970	-100.47	-144.78	
05/11/06/51	RM	+50.000	-117.42	-188.84	-124.35	-124.99	-180.70	
05/11/10/50	RM	+55.000	-127.87	-204.46	-135.88	-139.86	-198.82	
05/11/15/19	RM	+60.000	-137.32	-222.27	-146.78	-154.01	-210.86	
05/11/18/55	RM	+65.000	-145.024	-240.176	-156.533	-164.83	-228.43	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC15A UE X .1	SC15B UE X .1	SC15C UE X .1	SC15A UE X .1	SC15B UE X .1	SC15C UE X .1	
05/10/46/16	RM	+0.1027	+0.1076	+0.1076	+0.52832	+1.0207	+0.59783	
05/10/51/22	RM	+10.000	-74.210	-18.884	-24.197	-25.842	-38.412	
05/10/53/37	RM	+20.000	-47.508	-76.245	-47.330	-46.725	-76.854	
05/10/56/15	RM	+30.000	-49.781	-111.43	-69.784	-76.805	-117.30	
05/10/59/43	RM	+35.000	-82.654	-130.88	-83.724	-88.534	-130.77	
05/11/03/04	RM	+40.000	-74.042	-148.63	-95.688	-101.96	-148.25	
05/11/06/51	RM	+50.000	-114.33	-181.03	-117.42	-128.33	-187.28	
05/11/10/50	RM	+55.000	-124.23	-198.88	-128.00	-141.77	-197.17	
05/11/15/19	RM	+60.000	-134.14	-215.33	-138.56	-154.20	-213.15	
05/11/18/55	RM	+65.000	-145.944	-234.78	-148.630	-164.79	-230.02	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC20A UE X .1	SC20B UE X .1	SC20C UE X .1	D-1 INCHES X1000	D-2 INCHES X1000	D-3 INCHES X1000	D-4 INCHES X1000
05/10/46/16	RM	+5.5285	+1.0317	+0.99511	+0.60005	+27.422	+1.4881	+2.4999
05/10/51/22	RM	+10.000	-12.868	-15.740	-12.43A	-17.871	+4.7207	-4.9380
05/10/53/37	RM	+20.000	-74.761	-76.585	-24.380	-11.8082	+13.774	+14.281
05/10/56/15	RM	+30.000	-48.142	-107.08	-35.326	-11.8082	+13.774	+22.682
05/10/59/43	RM	+35.000	-44.598	-123.18	-30.884	-27.104	+15.724	+26.082
05/11/03/04	RM	+40.000	-10.545	-141.56	-45.775	-27.884	+11.895	+34.443
05/11/06/51	RM	+50.000	-13.437	-176.83	-64.721	-27.884	+15.724	+47.044
05/11/10/50	RM	+55.000	-49.883	-194.72	-61.697	-11.8082	+11.895	+47.044
05/11/15/19	RM	+60.000	-76.523	-211.11	-67.178	-11.8082	+13.774	+47.044
05/11/18/55	RM	+65.000	+5.5285	+1.5317	+0.9755	-1.87011	+29.372	+2.9280
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC12A UE X .1	SC12B UE X .1	M-1 KIPS/UE	SC12A UE X .1	SC12B UE X .1	M-2 KIPS/UE	
05/10/46/24	RM	+1.5273	+5.2783	-92.721	+4.0787	+1.0224	-174.99	
05/10/51/27	RM	+10.000	-74.773	-40.442	-74.71	-8.0117	+131.4	
05/10/54/40	RM	+20.000	-78.584	-80.472	-15.80.1	-12.823	+859.73	
05/10/56/13	RM	+30.000	-114.07	-114.07	-20.45.11	-17.534	+848.88	
05/10/59/36	RM	+35.000	-132.42	-137.47	+1706.9	-20.839	+828.91	
05/11/03/04	RM	+40.000	-157.47	-157.47	+2000.2	-21.541	+854.18	
05/11/07/01	RM	+50.000	-194.57	-194.57	+1478.1	-26.850	+887.82	
05/11/10/44	RM	+55.000	-214.87	-214.87	+1305.7	-27.852	+842.87	
05/11/15/15	RM	+60.000	-233.87	-233.87	+1046.2	-28.555	+848.44	
05/11/18/48	RM	+65.000	+1.5273	+1.5273	-141.18	+1.5200	+823.88	
ECF								

Figure A2-112B: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-1M-CONDITION 1
(Continued)

TIME IN DAY/MH/MIN/SEC	PER CFNT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPH KIPS	SC17A UF X .1	SC17B UF X .1	SC17C UF X .1
05/10/46/19	GM	-1.4170	-1.4487	+0.0000	+0.1101	+1.0040	+4.8205	+1.0093
05/10/51/17	GM	+10.0000	+12.240	+11.947	+0.0000	+0.67019	-18.031	-45.540
05/10/53/35	GM	+20.0000	+23.612	+23.975	+0.0000	+0.67019	-12.561	-91.640
05/10/56/11	GM	+30.0000	+24.703	+15.440	+0.0000	+0.67019	-08.001	-138.94
05/10/59/42	GM	+35.0000	+41.591	+41.182	+0.30224	+1.5173	-47.612	-109.78
05/11/03/05	GM	+40.0000	+47.244	+47.373	+0.20144	+0.67019	-44.420	-184.03
05/11/06/57	GM	+50.0000	+59.085	+59.844	+0.10058	+1.5173	-44.144	-231.02
05/11/10/46	GM	+55.0000	+45.224	+45.078	+0.30224	+0.67019	-09.170	-259.40
05/11/15/18	GM	+60.0000	+71.174	+71.777	+0.30224	+0.04181	-191.10	-278.91
05/11/18/46	GM	+0.0000	-7.7632	-1.4407	-0.10107	+0.67019	+2.4091	+5.5175
ECF								+1.0293

TIME IN DAY/MH/MIN/SEC	PER CFNT LOAD	SC17A UF X .1	SC17B UF X .1	SC17C UF X .1	R-7 KIP/UF
05/10/46/19	GM	+1.5108	+1.5143	+1.0248	+431.30
05/10/51/17	GM	+18.0000	-40.670	-12.413	+190.30
05/10/53/35	GM	+20.0000	-7.336	-81.200	+195.74
05/10/56/11	GM	+30.0000	-40.273	-120.46	+191.70
05/10/59/42	GM	+35.0000	-47.718	-138.40	+190.03
05/11/03/05	GM	+40.0000	-53.200	-158.14	+190.81
05/11/06/57	GM	+50.0000	-66.144	-198.72	+202.70
05/11/10/46	GM	+55.0000	-72.114	-214.17	+201.13
05/11/15/18	GM	+60.0000	-78.087	-231.83	+204.43
05/11/18/46	GM	+0.0000	+0.52587	+3.0009	+421.87
ECF					

TIME IN DAY/MH/MIN/SEC	PER CFNT LOAD	SC14A UF X .1	SC14B UF X .1	SC14C UF X .1	R-8 KIP/UF
05/10/46/19	GM	+0.52812	+1.0004	+0.50000	+055.90
05/10/51/17	GM	+10.0000	-70.371	-54.273	+140.90
05/10/53/35	GM	+20.0000	-40.771	-106.47	+140.12
05/10/56/11	GM	+30.0000	-40.174	-139.71	+144.14
05/10/59/42	GM	+35.0000	-49.620	-184.89	+140.85
05/11/03/05	GM	+40.0000	-60.574	-210.06	+140.76
05/11/06/57	GM	+50.0000	-100.47	-263.90	+150.80
05/11/10/46	GM	+55.0000	-110.49	-287.89	+151.92
05/11/15/18	GM	+60.0000	-120.87	-312.06	+152.69
05/11/18/46	GM	+0.0000	+0.52812	+2.5000	+500.43
ECF					

TIME IN DAY/MH/MIN/SEC	PER CFNT LOAD	SC12A UF X .1	SC12B UF X .1	SC12C UF X .1	R-9 KIP/UF	R-11 KIP/UF
05/10/46/19	GM	+0.0000	+0.52400	+0.40004	-1044.8	+1919.5
05/10/51/17	GM	+10.0000	-6.0912	-30.279	-1.0070	+785.67
05/10/53/35	GM	+20.0000	-12.481	-77.501	-3.4091	+784.91
05/10/56/11	GM	+30.0000	-17.471	-115.40	-4.0026	+780.04
05/10/59/42	GM	+35.0000	-20.470	-133.71	-5.4021	+787.04
05/11/03/05	GM	+40.0000	-22.467	-152.72	-4.0026	+787.35
05/11/06/57	GM	+50.0000	-25.461	-187.65	-4.0026	+794.00
05/11/10/46	GM	+55.0000	-27.454	-201.07	-4.0026	+796.90
05/11/15/18	GM	+60.0000	-28.957	-219.19	-4.0026	+797.63
05/11/18/46	GM	+0.0000	+0.50000	+1.5273	+0.00658	+1345.2
ECF						-1174.4

TIME IN DAY/MH/MIN/SEC	PER CFNT LOAD	SC11A UF X .1	SC11B UF X .1	SC11C UF X .1	R-10 KIP/UF
05/10/46/19	GM	+0.02781	-0.50105	-0.40700	+024.46
05/10/51/17	GM	+10.0000	-4.4580	-41.378	+325.90
05/10/53/35	GM	+20.0000	-7.4501	-80.727	+328.82
05/10/56/11	GM	+30.0000	-8.0458	-110.24	+324.70
05/10/59/42	GM	+35.0000	-10.441	-134.89	+332.95
05/11/03/05	GM	+40.0000	-10.441	-157.83	+331.40
05/11/06/57	GM	+50.0000	-11.478	-195.02	+338.99
05/11/10/46	GM	+55.0000	-12.434	-214.07	+337.35
05/11/15/18	GM	+60.0000	-12.434	-234.11	+330.06
05/11/18/46	GM	+0.0000	+0.52014	+0.0000	+028.00
ECF					

Figure A2-112C: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-1M-CONDITION 1
(Continued)

TIME IN DAY/MR/MIN/SEC	PFR CFMT LOAD	SG1 UF X .1	SG101 UF X .1	SG2 UF X .1	SG102 UF X .1	SG4 UF X .1	SG104 UF X .1
28/15/15/19	RR +0.0000	+5.5125	+0.02441	+1.5244	-5.51074	+2.0202	+4.47667
28/15/18/27	RR +10.0000	-7.0010	-1.4441	-1.0082	-2.3608	-12.814	-14.748
28/15/22/12	RR +20.0000	-5.5214	-2.8334	-4.2034	-2.3608	-29.628	-30.448
28/15/24/47	RR +30.0000	-4.4487	-4.7377	-8.5864	-3.7773	-37.019	-40.645
28/15/28/17	RR +35.0000	-5.1704	-6.1640	-10.018	-3.7051	-40.816	-44.748
28/15/31/25	RR +40.0000	-5.6438	-7.1131	-11.424	-3.7793	-44.047	-48.347
28/15/34/48	RR +45.0000	-6.6438	-10.476	-14.788	-4.2405	-49.350	-73.315
28/15/37/15	RR +50.0000	-5.1704	-11.478	-17.650	-4.2405	-49.350	-83.313
28/15/39/48	RR +0.0000	+1.0379	+0.02441	+1.8180	-1.0214	+3.4512	+3.4511
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CFMT LOAD	SG5 UF X .1	SG105 UF X .1	SG7 UF X .1	SG107 UF X .1	SG8 UF X .1	SG108 UF X .1
28/15/15/19	RR +0.0000	-4.4201	+5.51074	+1.5207	+4.7051	+0.0000	+1.0146
28/15/18/27	RR +10.0000	-7.0070	-1.4444	-1.51074	-1.0140	-2.3607	-1.0146
28/15/22/12	RR +20.0000	-5.2050	-3.3202	-0.95410	-2.3605	-4.7607	-1.0146
28/15/24/47	RR +30.0000	-0.4031	-2.4476	+1.5207	-1.3406	-6.1880	-3.0808
28/15/28/17	RR +35.0000	-1.050	-3.3202	+4.5898	-4.3066	-6.4650	+1.9229
28/15/31/25	RR +40.0000	-14.711	-4.2714	+7.1401	-3.3406	-7.4171	+3.0408
28/15/34/48	RR +45.0000	-14.748	-2.8476	+11.724	-2.3625	-8.0032	+4.0099
28/15/37/15	RR +50.0000	-74.214	-1.4444	+14.709	-1.4405	-8.0032	+10.146
28/15/39/48	RR +0.0000	+1.4502	+5.51074	+0.0000	+4.7051	+0.0214	+1.0146
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CFMT LOAD	SG9 UF X .1	SG109 UF X .1	SG18 UF X .1	SG110 UF X .1	SG11 UF X .1	SG111 UF X .1
28/15/15/19	RR +0.0000	+5.50774	+1.0274	+0.02400	+5.50880	+1.0264	+4.47440
28/15/18/27	RR +10.0000	-0.0583	-6.6840	-2.3674	+0.02400	+0.0000	+0.0000
28/15/22/12	RR +20.0000	-14.011	-14.202	-6.1354	-0.02400	+5.50880	+4.4901
28/15/24/47	RR +30.0000	-28.001	-24.274	-8.5863	+3.0805	+0.0000	+1.4248
28/15/28/17	RR +35.0000	-13.697	-10.448	-10.023	+5.5059	-0.04021	+4.4901
28/15/31/25	RR +40.0000	-0.541	-3.7609	-10.502	+4.4881	-0.04021	+4.4901
28/15/34/48	RR +45.0000	-48.084	-6.685	-12.416	+14.779	-1.0904	+0.0000
28/15/37/15	RR +50.0000	-0.478	-5.274	-14.409	+21.485	-2.3730	+4.4740
28/15/39/48	RR +0.0000	+2.5494	+3.0763	+2.0556	+1.5437	+3.5629	+2.3748
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CFMT LOAD	SG120 UF X .1	SG1120 UF X .1	N-3 KIPS/IN X .1	SG10R UF X .1	SG110R UF X .1	N-4 KIPS/IN X .1
28/15/15/18	RR +0.0000	-7.4759	+1.5278	+2.5122	+0.07070	+1.4044	+6.8710
28/15/18/26	RR +10.0000	+7.545	+22.077	+70.190	+1.5380	+1.4044	-1016.7
28/15/22/11	RR +20.0000	+78.687	+40.077	+87.706	+6.0600	+3.4877	+290.50
28/15/24/46	RR +30.0000	+50.284	+70.077	+91.784	+12.591	+9.0454	+374.58
28/15/28/16	RR +35.0000	+47.029	+79.577	+96.301	+18.621	+15.444	+354.89
28/15/31/24	RR +40.0000	+74.361	+70.577	+79.017	+24.147	+21.424	+400.35
28/15/34/47	RR +45.0000	+0.390	+100.52	+71.428	+31.684	+30.395	+1123.6
28/15/37/14	RR +50.0000	+2.404	+110.02	+58.252	+40.296	+42.354	+756.13
28/15/39/39	RR +0.0000	-7.0702	-4.7216	-12.233	+2.5409	+3.4877	-12.361
ECF							
TIME IN DAY/MR/MIN/SEC	PFR CFMT LOAD	SG21 UF X .1	SG22 UF X .1	SG24 UF X .1			
28/15/15/19	RR +0.0000	+5.50434	+1.0124	-4.7088			
28/15/18/27	RR +10.0000	+2.0145	+5.5034	-1.4116			
28/15/22/12	RR +20.0000	+3.5102	+1.5190	-1.9080			
28/15/24/47	RR +30.0000	+4.5445	-5.5034	-1.9080			
28/15/28/17	RR +35.0000	+5.5507	-5.5034	-1.4916			
28/15/31/25	RR +40.0000	+5.0443	-5.5034	-2.5043			
28/15/34/48	RR +45.0000	+6.0546	+1.0124	-3.0187			
28/15/37/15	RR +50.0000	+5.5467	-1.0124	-2.5043			
28/15/39/48	RR +0.0000	+0.0000	+5.5034	-0.94535			
ECF							

Figure A2-113A: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-1—CONDITION 2
(100 PERCENT LOAD = 32.1 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	
28/15/15/28	GR +0.0000	+52343	+2.4951	+1.0273	+50146	+1.5243	+0.0299	
28/15/18/28	GR +10.000	-20.766	+6.4873	+24.943	-19.404	+52783	+19.940	
28/15/22/07	GR +20.000	-43.242	+10.479	+46.881	-41.794	+02420	+43.300	
28/15/24/49	GR +30.000	-66.317	+14.471	+73.775	-66.175	-1.4443	+67.200	
28/15/28/23	GR +35.000	-77.200	+15.449	+85.734	-75.498	-1.0648	+78.241	
28/15/31/26	GR +40.000	-88.597	+17.464	+98.102	-88.067	-1.0648	+89.721	
28/15/34/54	GR +45.000	-100.48	+18.442	+110.44	-100.90	-3.0580	+102.17	
28/15/37/20	GR +50.000	-116.87	+19.441	+122.80	-111.45	-4.0580	+115.14	
28/15/40/02	GR +0.0000	+1.0332	+3.4971	-1.4687	+2.5083	+2.0253	-2.6616	
ECF								
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	
28/15/15/21	GR +0.0000	+0.02978	+0.0275	-1.4628	-1.4694	+1.4054	-0.49114	
28/15/18/32	GR +10.000	-25.308	+1.0402	+22.062	-25.442	+0.0270	+23.610	
28/15/22/07	GR +20.000	-56.608	+5.4889	+45.096	-56.481	+1.0000	+46.680	
28/15/24/44	GR +30.000	-71.386	+12.467	+65.124	-63.510	+0.0000	+66.286	
28/15/28/18	GR +35.000	-110.24	+17.479	+72.634	-112.01	+14.580	+73.781	
28/15/31/31	GR +40.000	-120.44	+23.414	+79.146	-134.31	+21.000	+80.384	
28/15/34/55	GR +45.000	-140.01	+30.404	+84.653	-156.70	+29.580	+89.592	
28/15/37/16	GR +50.000	-168.90	+39.364	+90.182	-170.09	+41.000	+99.384	
28/15/39/52	GR +0.0000	+1.0341	+2.4942	-1.4677	+1.5196	+2.0000	-1.0740	
ECF								
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	SG15A UF X .1	SG15H UF X .1	SG15C UF X .1	
28/15/15/21	GR +0.0000	+0.0000	+0.02978	-1.4628	-1.4694	+1.4054	-0.49067	
28/15/18/32	GR +10.000	-25.744	+2.0336	+21.987	-26.370	+1.0312	+24.045	
28/15/22/07	GR +20.000	-56.938	+6.0305	+43.445	-57.716	+2.0112	+46.070	
28/15/24/44	GR +30.000	-72.586	+12.449	+60.911	-64.038	+0.0312	+69.181	
28/15/28/18	GR +35.000	-110.98	+17.456	+67.897	-113.44	+13.531	+77.112	
28/15/31/31	GR +40.000	-130.21	+24.045	+74.385	-133.44	+21.031	+84.623	
28/15/34/55	GR +45.000	-151.01	+32.077	+78.476	-154.73	+30.531	+90.131	
28/15/37/16	GR +50.000	-169.89	+40.089	+82.868	-178.12	+40.531	+95.639	
28/15/39/52	GR +0.0000	+2.0697	+2.0336	+0.0376	+2.5178	+2.0312	-1.0902	
ECF								
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG20A UF X .1	SG20H UF X .1	SG20C UF X .1	D-1 INCHES X1000	D-3 INCHES X1000	D-4 INCHES X1000	D-5 INCHES X1000
28/15/15/21	GR +0.0000	+0.40560	+1.4002	+0.03173	-0.22794	+0.0760	-0.79206	-2.4063
28/15/18/32	GR +10.000	+0.338	+2.5024	+20.531	+4.4281	-24.850	-1.3374	-1.4864
28/15/22/07	GR +20.000	-19.667	+1.0408	+41.531	+0.2407	-44.084	-1.048	+5.7285
28/15/24/44	GR +30.000	-61.485	+4.5083	+64.531	+12.012	-43.714	-12.174	+23.549
28/15/28/18	GR +35.000	-72.899	+4.5083	+75.031	+14.785	-42.841	-44.066	+39.788
28/15/31/31	GR +40.000	-93.302	+5.0073	+86.031	+15.708	-42.153	-45.281	+58.322
28/15/34/55	GR +45.000	-113.219	+5.5078	+97.531	+16.633	-42.841	-79.670	+68.078
28/15/37/16	GR +50.000	-140.561	+6.0084	+108.03	+15.708	-42.841	-100.95	+84.915
28/15/39/52	GR +0.0000	+2.4709	+1.4073	-1.4638	-0.22794	+17.674	+2.0000	+8.1611
ECF								
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG12H UF X .1	SG12H UF X .1	N-1 KIPS/UF	SG12A UF X .1	SG12A UF X .1	N-2 KIPS/UF	
28/15/15/18	GR +0.0000	+0.40754	+1.0000	+20.010	+5.2234	+1.0240	+20.215	
28/15/18/26	GR +10.000	+0.0000	+1.5000	+20.787	-21.072	-19.415	+121.01	
28/15/22/11	GR +20.000	-1.9902	+1.5000	+184.44	-47.472	-41.350	+105.15	
28/15/24/46	GR +30.000	-4.4683	+1.5000	+123.70	-74.472	-64.283	+96.741	
28/15/28/16	GR +35.000	-8.9544	+1.5000	+107.74	-88.472	-74.253	+79.230	
28/15/31/24	GR +40.000	-13.434	+2.0000	+82.767	-102.47	-84.723	+71.970	
28/15/34/47	GR +45.000	-17.912	+3.0000	+69.262	-120.97	-93.406	+53.183	
28/15/37/14	GR +50.000	-25.375	+4.0000	+54.786	-138.97	-101.17	+42.578	
28/15/39/59	GR +0.0000	+2.4477	+1.0000	-59.076	+3.0214	+3.0200	-61.102	
ECF								

Figure A2-113B: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-1—CONDITION 2
(Continued)

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	IPP DSIR X100	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1
28/15/15/28	RR +0.0000	+0.0000	-0.95006	+1.0050	-0.50014	+0.92734	+1.9302	+0.0000
28/15/18/28	RR +10.0000	+0.47110	-0.95006	+1.2269	-0.50014	-0.23437	-0.97303	+0.0000
28/15/22/09	RR +20.0000	-0.95006	-0.95006	+6.4531	+0.04101	-0.397	-4.4004	+0.0000
28/15/24/49	RR +30.0000	+0.47110	-0.47006	+9.0013	-0.50014	-77.354	-0.4002	+0.0000
28/15/28/23	RR +35.0000	+0.0000	-0.95006	+11.303	+0.0017	-0.000	-0.0012	+0.0000
28/15/31/26	RR +40.0000	+0.47110	-0.95006	+12.900	-1.2073	-100.30	-11.400	+0.0000
28/15/34/54	RR +45.0000	+0.47110	+0.0000	+14.620	-0.50014	-110.30	-13.000	+0.0000
28/15/37/20	RR +50.0000	+0.0000	-0.95006	+16.031	+0.04101	-120.70	-15.500	+0.0000
28/15/40/02	RR +0.0000	+0.47110	-0.95006	-0.20361	-0.50014	+0.0000	+0.0000	+0.0000
ECF								
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1	R-7 KIP/UF			
28/15/15/28	RR +0.0000	+0.0230	+0.9102	+0.90365	-0.3369			
28/15/18/28	RR +10.0000	-0.370	+3.5003	+0.454	-0.300			
28/15/22/09	RR +20.0000	-0.250	+0.9102	+0.400	-0.300			
28/15/24/49	RR +30.0000	-0.120	+1.5100	+0.800	+0.300			
28/15/28/23	RR +35.0000	-0.300	+1.5100	+0.800	+0.300			
28/15/31/26	RR +40.0000	-0.500	+1.0000	+100.00	+0.300			
28/15/34/54	RR +45.0000	-0.000	+0.5000	+110.70	+0.300			
28/15/37/20	RR +50.0000	-0.200	-0.0000	+120.25	+0.300			
28/15/40/02	RR +0.0000	+0.0000	+0.4000	-0.4000	+0.300			
ECF								
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1	R-8 KIP/UF			
28/15/15/28	RR +0.0000	+0.0200	+0.0000	+0.0000	-0.700			
28/15/18/28	RR +10.0000	-0.300	+0.0000	+0.0000	-0.400			
28/15/22/09	RR +20.0000	-0.000	+0.0000	+0.0000	-0.000			
28/15/24/49	RR +30.0000	-0.000	+0.0000	+0.0000	+0.000			
28/15/28/23	RR +35.0000	-0.200	+0.0000	+0.0000	-0.000			
28/15/31/26	RR +40.0000	-0.000	+0.0000	+0.0000	+0.000			
28/15/34/54	RR +45.0000	-0.000	+0.0000	+0.0000	+0.000			
28/15/37/20	RR +50.0000	-0.000	+0.0000	+0.0000	+0.000			
28/15/40/02	RR +0.0000	+0.0000	+0.0000	+0.0000	+0.000			
ECF								
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1	R-9 KIP/UF	R-11 KIP/UF		
28/15/15/28	RR +0.0000	+0.02734	+0.0000	+0.92007	-0.5100	+0.4000		
28/15/18/28	RR +10.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/22/09	RR +20.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/24/49	RR +30.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/28/23	RR +35.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/31/26	RR +40.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/34/54	RR +45.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/37/20	RR +50.0000	-0.000	+0.0000	+0.0000	+0.4000	+0.4000		
28/15/40/02	RR +0.0000	+0.0000	+0.0000	+0.0000	+0.4000	+0.4000		
ECF								
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1	R-10 KIP/UF	R-5 KIPS/INCHES X1000	R-6 KIPS/UF	
28/15/15/28	RR +0.0000	+0.0240	+0.0000	+0.02703	-0.1100	+0.0000	+0.0000	
28/15/18/28	RR +10.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/22/09	RR +20.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/24/49	RR +30.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/28/23	RR +35.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/31/26	RR +40.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/34/54	RR +45.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/37/20	RR +50.0000	-0.000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
28/15/40/02	RR +0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	
ECF								

Figure A2-113C: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-1—CONDITION 2
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC1 UF X .1	SC101 UF X .1	SC2 UF X .1	SC102 UF X .1	SC4 UF X .1	SC104 UF X .1
05/13/02/17	RR +0.0000	-1.0200	+1.0415	+0.99556	+1.5468	+0.97519	-1.0100
05/13/14/37	RR +10.000	+0.50074	+2.0501	-4.7770	-3.0190	+3.0054	-5.9340
05/13/17/50	RR +20.000	-0.51024	+4.0013	-11.044	-0.0408	+0.4552	-0.0400
05/13/20/43	RR +30.000	-0.2300	-1.0704	-10.033	-13.702	+10.225	-13.340
05/13/26/52	RR +35.000	-2.1411	-0.2005	-21.970	-14.734	+13.205	-10.042
05/13/30/32	RR +40.000	-0.4603	-0.0576	-25.322	-16.163	+15.035	-10.506
05/13/33/04	RR +45.000	-0.0975	-11.305	-27.711	-18.543	+19.405	-21.453
05/13/36/40	RR +50.000	-1.425	-14.217	-30.570	-19.495	+24.505	-20.705
05/13/42/10	RR +55.000	-3.330	-17.544	-34.400	-20.447	+31.644	-29.902
05/13/45/52	RR +50.000	-14.202	-21.347	-35.033	-20.447	+37.255	-34.277
05/13/48/57 EOF	RR +60.000	-14.202	-23.268	-30.222	-21.399	+44.396	-37.133

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC5 UF X .1	SC105 UF X .1	SC7 UF X .1	SC107 UF X .1	SC8 UF X .1	SC108 UF X .1
05/13/02/17	RR +0.0000	+0.51417	+0.50070	+1.6391	+2.4796	+0.90000	+2.0000
05/13/14/37	RR +10.000	+1.0434	+2.5440	-2.3052	-1.4035	-3.0077	-0.93145
05/13/17/50	RR +20.000	-2.6200	+1.5200	-5.7246	-7.1679	-0.0561	+0.2700
05/13/20/43	RR +30.000	-0.4975	-4.7705	-0.7000	-12.021	-13.300	-0.0000
05/13/26/52	RR +35.000	-3.700	-0.2016	-0.5410	-5.790	-14.260	-7.0201
05/13/30/32	RR +40.000	-16.160	-7.1507	-0.5410	-10.075	-10.002	-0.0000
05/13/33/04	RR +45.000	-20.447	-0.1000	-10.405	-21.073	-19.000	-0.0000
05/13/36/40	RR +50.000	-23.307	-0.5400	-7.1557	-24.000	-23.767	-0.0000
05/13/42/10	RR +55.000	-29.014	-0.1000	-7.1557	-29.704	-27.500	-0.0000
05/13/45/52	RR +50.000	-11.304	-7.6300	-2.3052	-30.103	-20.000	-0.0000
05/13/48/57 EOF	RR +60.000	-12.020	-7.6300	-1.4311	-32.501	-32.790	-0.0000

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC9 UF X .1	SC109 UF X .1	SC10 UF X .1	SC110 UF X .1	SC11 UF X .1	SC111 UF X .1
05/13/02/17	RR +0.0000	+1.0214	+1.0146	+1.0410	+0.90000	+1.0100	+0.0000
05/13/14/37	RR +10.000	-0.46035	-3.3305	-4.7456	-2.3442	-0.0000	-0.0000
05/13/17/50	RR +20.000	-1.0400	-7.6171	-0.0000	-5.7000	+0.0000	+0.0000
05/13/20/43	RR +30.000	-0.410	-11.405	-10.671	-0.0000	+0.0000	+0.0000
05/13/26/52	RR +35.000	-2.200	-15.200	-19.534	-0.0000	+0.0000	+0.0000
05/13/30/32	RR +40.000	-24.155	-10.000	-22.073	-0.0000	+0.0000	+0.0000
05/13/33/04	RR +45.000	-20.417	-20.471	-26.000	-7.000	+0.0000	+0.0000
05/13/36/40	RR +50.000	-20.312	-23.003	-31.937	-4.7500	+0.0000	+0.0000
05/13/42/10	RR +55.000	-22.000	-29.000	-39.000	-1.0000	+0.0000	+0.0000
05/13/45/52	RR +50.000	-22.207	-35.200	-43.000	+3.0000	+0.0000	+0.0000
05/13/48/57 EOF	RR +60.000	-20.704	-37.000	-40.000	+0.0000	+0.0000	+0.0000

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC21 UF X .1	SC22 UF X .1	SC24 UF X .1
05/13/02/17	RR +0.0000	+1.0346	-1.0140	+2.5440
05/13/14/37	RR +10.000	+3.5000	+0.0000	+0.0000
05/13/17/50	RR +20.000	+3.5000	+1.0140	+0.0000
05/13/20/43	RR +30.000	+4.5771	+2.0202	-0.0000
05/13/26/52	RR +35.000	+5.0000	+1.0140	-1.0100
05/13/30/32	RR +40.000	+0.5000	+2.5340	-1.0100
05/13/33/04	RR +45.000	+0.5000	+3.0430	-1.0100
05/13/36/40	RR +50.000	+0.5000	+3.0430	-1.0100
05/13/42/10	RR +55.000	+7.1000	+2.0202	-1.5000
05/13/45/52	RR +50.000	+7.6100	+2.5340	-2.5000
05/13/48/57 EOF	RR +60.000	+7.1000	+3.0430	-2.0000

Figure A2-114A: TABULATED TRANSDUCER DATA—PANEL 2A-2P-1M—CONDITION 2
(100 PERCENT LOAD = 32.1 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG20A UF X .1	SG20R UF X .1	SG20C UF X .1	D-1 INCHES X1000	D-3 INCHES X1000	D-5 INCHES X1000	D-4 INCHES X1000
05/13/02/21	00	+0.0000	-1.44464	+5.52872	-1.98511	+4.40440	+39.221	+5.8803
05/13/14/32	00	+10.000	-1.387	+1.5219	+18.526	+5.4220	-140.91	+7.3063
05/13/17/51	00	+20.000	-10.132	+3.5317	+40.058	+9.1300	-311.86	+8.8304
05/13/20/35	00	+30.000	-10.954	+4.5317	+61.589	+35.810	-444.41	-1.6841
05/13/27/02	00	+35.000	-71.371	+5.5317	+72.605	+16.740	-512.71	-1.4042
05/13/30/34	00	+40.000	-79.808	+6.0317	+82.120	+18.400	-540.29	-1.9689
05/13/33/09	00	+45.000	-80.213	+7.0317	+93.636	+19.570	-621.90	-6.8105
05/13/36/36	00	+50.000	-100.11	+7.5317	+105.44	+21.180	-678.44	-8.9186
05/13/42/17	00	+55.000	-110.54	+8.5317	+116.16	+25.088	-735.80	-10.496
05/13/44/02	00	+58.000	-114.98	+9.0317	+122.67	+27.870	-772.85	-20.605
05/13/49/02	00	+60.000	-120.94	+9.0317	+127.68	+30.866	-812.84	-34.042
ECF								-39.200

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG12H UF X .1	SG12R UF X .1	R-1 KIPS/UF	SG12A UF X .1	SG12B UF X .1	R-2 KIPS/UF
05/13/02/24	00	+0.0000	+0.2734	-1.87216	-10.063	+4.09707	-1.47021
05/13/14/29	00	+10.000	-1.4653	-1.4751	-913.14	-25.449	-23.855
05/13/17/45	00	+20.000	-1.4554	-1.9751	+433.96	-53.604	-49.728
05/13/20/40	00	+30.000	-7.9335	-1.9751	+160.29	-84.665	-79.681
05/13/26/51	00	+35.000	-10.421	-1.9751	+134.71	-108.19	-88.538
05/13/30/31	00	+40.000	-12.989	-1.9751	+110.55	-114.92	-98.986
05/13/33/03	00	+45.000	-16.392	-1.47216	+90.982	-131.75	-180.93
05/13/36/39	00	+50.000	-20.878	+1.5228	+71.484	-150.29	-110.38
05/13/42/09	00	+55.000	-27.839	+5.5228	+53.068	-171.33	-124.35
05/13/45/51	00	+58.000	-32.811	+8.5228	+45.256	-185.66	-128.84
05/13/48/56	00	+60.000	-35.299	+9.5228	+42.857	-194.87	-131.32
ECF							+30.299

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG12C UF X .1	SG12R UF X .1	R-3 KIPS/UF	SG12A UF X .1	SG12B UF X .1	R-4 KIPS/UF
05/13/02/24	00	+0.0000	-1.5008	-1.9643	-21.578	+2.0336	-2.0273
05/13/14/29	00	+10.000	+0.508	+21.569	+146.51	+2.5146	+0.8125
05/13/17/45	00	+20.000	+1.008	+45.504	+140.10	+5.5390	+0.9195
05/13/20/40	00	+30.000	+3.508	+71.171	+125.20	+9.5449	+9.4263
05/13/26/51	00	+35.000	+7.008	+83.149	+125.32	+10.546	+4.0234
05/13/30/31	00	+40.000	+9.008	+93.144	+128.65	+13.049	+4.0224
05/13/33/03	00	+45.000	+11.008	+105.10	+102.13	+14.051	+9.0214
05/13/36/39	00	+50.000	+13.008	+118.70	+79.167	+15.053	+9.0105
05/13/42/09	00	+55.000	+15.008	+131.72	+63.882	+17.055	+7.0175
05/13/45/51	00	+58.000	+16.008	+140.23	+55.461	+17.055	+8.0146
05/13/48/56	00	+60.000	+18.008	+144.73	+56.109	+18.058	+10.011
ECF							+224.99

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	D-1 INCHES X1000	D-5 KIPS/INCHES X1000	SG11 UF X .1	SG111 UF X .1	R-6 KIPS/UF
05/13/02/24	00	+0.0000	+5.5608	-1.8115	+2.0332	-0.0316
05/13/14/29	00	+10.000	+5.5678	+5.4222	+5.0830	-1.4034
05/13/17/45	00	+20.000	+7.0708	+6.9443	+1.0166	-0.90316
05/13/20/40	00	+30.000	+3.404	+4.8790	+5.0830	+1.5566
05/13/26/51	00	+35.000	+16.088	+6.8790	+1.0166	+0.2685
05/13/30/31	00	+40.000	+18.544	+7.0527	+2.5415	+1.5566
05/13/33/03	00	+45.000	+20.394	+7.1070	+1.5249	+1.5566
05/13/36/39	00	+50.000	+22.244	+7.1884	+1.5249	+2.0668
05/13/42/09	00	+55.000	+25.954	+8.8283	+1.5249	+2.0668
05/13/45/51	00	+58.000	+29.664	+6.3046	+2.5415	+2.5764
05/13/48/56	00	+60.000	+38.084	+5.8546	+2.5415	+2.0668
ECF						-40.087

Figure A2-114B: TABULATED TRANSDUCER DATA-PANEL 2A-2P-1M-CONDITION 2
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG112A UF X .1	SG112B UF X .1	SG112C UF X .1	R-14 KIP/UF
05/13/02/20	GR +0.0000	-4.7078	-1.0041	-4.7078	-28.130
05/13/14/35	GR +10.000	-24.408	-1.4966	+21.527	+554.98
05/13/17/44	GR +20.000	-0.324	-1.0941	+45.527	+301.10
05/13/20/47	GR +30.000	-76.248	-2.4976	+70.527	+174.40
05/13/26/53	GR +35.000	-80.212	-3.4867	+83.527	+140.83
05/13/30/28	GR +40.000	-09.108	-2.9942	+94.527	+128.97
05/13/33/08	GR +45.000	-100.44	-1.4966	+106.52	+105.79
05/13/36/42	GR +50.000	-110.62	+5.50146	+119.02	+94.497
05/13/42/06	GR +55.000	-126.68	+4.4151	+132.52	+87.096
05/13/45/53	GR +50.000	-128.50	+8.0273	+148.02	+86.763
05/13/49/01	GR +60.000	-131.04	+8.5208	+143.52	+85.261
ECF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1	SG16A UF X .1	SG16B UF X .1	SG16C UF X .1
05/13/02/20	GR +0.0000	-4.0755	+1.5100	+9.9853	+1.5141	+3.0234	+0.0940
05/13/14/35	GR +10.000	-21.395	+5.5371	+24.492	-10.443	+1.0263	+19.908
05/13/17/44	GR +20.000	-42.708	+8.445	+48.404	-39.012	+2.0271	+42.446
05/13/20/47	GR +30.000	-65.077	+13.548	+74.354	-61.879	+1.0271	+65.000
05/13/26/53	GR +35.000	-77.121	+16.062	+87.320	-72.863	+1.0273	+77.377
05/13/30/28	GR +40.000	-07.578	+18.065	+99.305	-82.849	+2.0273	+87.847
05/13/33/08	GR +45.000	-08.514	+20.068	+118.78	-93.334	+1.0273	+98.376
05/13/36/42	GR +50.000	-100.94	+21.540	+124.75	-101.81	+1.0263	+100.71
05/13/42/06	GR +55.000	-121.98	+22.542	+137.73	-114.30	+1.0263	+121.79
05/13/45/53	GR +50.000	-128.37	+24.544	+145.21	-120.79	+1.0263	+128.77
05/13/49/01	GR +60.000	-132.35	+24.544	+151.20	-125.78	+2.0273	+133.76
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG18A UF X .1	SG18B UF X .1	SG18C UF X .1	SG19A UF X .1	SG19B UF X .1	SG19C UF X .1
05/13/02/21	GR +0.0000	-5.0099	+3.0105	-1.4628	-1.4693	+2.0263	-3.0941
05/13/14/35	GR +10.000	-24.877	+3.0105	+23.484	-24.187	-9.4777	+24.575
05/13/17/51	GR +20.000	-49.755	+4.8141	+52.427	-48.187	-4.4875	+43.077
05/13/20/35	GR +30.000	-74.134	+7.5043	+82.868	-70.263	-4.4875	+64.153
05/13/27/02	GR +35.000	-85.089	+4.5049	+98.836	-83.229	+0.0207	+89.145
05/13/30/34	GR +40.000	-06.028	+8.0000	+112.88	-92.198	+5.9990	+112.16
05/13/33/09	GR +45.000	-105.48	+8.0000	+128.27	-102.16	+1.0263	+129.68
05/13/36/36	GR +50.000	-115.47	+9.4005	+145.24	-112.14	+1.0263	+136.70
05/13/42/17	GR +55.000	-123.80	+9.4005	+160.71	-121.10	+3.0234	+155.22
05/13/46/02	GR +50.000	-128.37	+9.4005	+175.68	-120.90	+5.0195	+168.23
05/13/49/02	GR +60.000	-129.84	+9.0006	+184.66	-134.97	+7.0196	+167.74
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG19A UF X .1	SG19B UF X .1	SG19C UF X .1	SG20A UF X .1	SG20B UF X .1	SG20C UF X .1
05/13/02/21	GR +0.0000	+0.0029	+1.5380	-4.6777	-1.4619	+2.0288	-3.4447
05/13/14/35	GR +10.000	-22.749	+2.5409	+23.030	-24.847	+5.9897	+24.066
05/13/17/51	GR +20.000	-47.094	+5.0561	+51.530	-49.277	+1.0207	+44.110
05/13/20/35	GR +30.000	-71.764	+8.5702	+81.538	-72.812	+3.0146	+65.105
05/13/27/02	GR +35.000	-83.149	+11.004	+96.530	-84.896	+4.0068	+108.67
05/13/30/34	GR +40.000	-03.059	+12.501	+118.03	-94.887	+4.0068	+114.69
05/13/33/09	GR +45.000	-101.44	+13.506	+124.53	-104.49	+5.0014	+129.92
05/13/36/36	GR +50.000	-111.88	+15.184	+148.03	-115.40	+6.0031	+145.94
05/13/42/17	GR +55.000	-121.27	+16.611	+158.53	-125.35	+7.0077	+160.26
05/13/46/02	GR +50.000	-125.23	+18.671	+168.83	-132.31	+9.0700	+168.77
05/13/49/02	GR +60.000	-126.71	+18.671	+178.53	-137.99	+10.071	+173.20
ECF							

Figure A2-114C: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-1M-CONDITION 2
(Continued)

TIME IN DAY/MN/HRN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	IPP PSIN X100	SG17A UF X .1	SG13B UF X .1	SG13C UF X .1
05/13/02/28	GR +0.0000	-1.94531	+0.0000	-1.18107	+0.04101	+1.00400	+3.02294	-1.45205
05/13/14/35	GR +10.0000	-1.94531	-1.96502	+3.02249	+441.66	-23.644	-1.47070	+21.005
05/13/17/44	GR +20.0000	+1.47265	+0.00000	+6.35200	-1.50716	-50.097	-1.4705	+46.036
05/13/20/47	GR +30.0000	-1.47265	+0.00000	+9.6796	+0.04101	-76.140	-1.0003	+71.007
05/13/26/53	GR +35.0000	+1.00000	-1.47051	+11.393	-1.2553	-89.674	+0.4802	+03.064
05/13/30/28	GR +40.0000	-1.94531	-1.47051	+12.805	-1.50716	-102.10	-0.4902	+09.341
05/13/33/08	GR +45.0000	-1.47265	-1.47051	+14.317	+0.04101	-113.72	-10.402	+104.001
05/13/36/42	GR +50.0000	+0.00000	-1.47051	+16.031	-1.50716	-127.24	-13.400	+118.20
05/13/42/06	GR +55.0000	-1.4170	+0.00000	+17.645	+0.04101	-140.27	+15.000	+130.75
05/13/45/53	GR +58.0000	-1.94531	-1.47051	+18.559	+0.04101	-140.79	-15.000	+130.20
05/13/49/01	GR +60.0000	-1.94531	-1.47051	+19.258	+0.04101	-153.79	-10.002	+142.74
ECF								
TIME IN DAY/MN/HRN/SEC	PER CENT LOAD	SG17A UF X .1	SG17H UF X .1	SG17C UF X .1	R-7 KIP/HP			
05/13/02/28	GR +0.0000	+1.0224	+2.0117	-2.9614	+16.007			
05/13/14/35	GR +10.0000	-20.468	+1.5141	+24.895	-088.95			
05/13/17/44	GR +20.0000	-44.251	+1.5141	+48.269	+92.112			
05/13/20/47	GR +30.0000	-9.131	+3.0079	+73.632	+1741.1			
05/13/26/53	GR +35.0000	-01.072	+2.5073	+87.557	+907.30			
05/13/30/28	GR +40.0000	-02.516	+3.4905	+98.995	+827.90			
05/13/33/08	GR +45.0000	-107.96	+3.4905	+110.93	+645.01			
05/13/36/42	GR +50.0000	-115.90	+3.4905	+123.86	+530.86			
05/13/42/06	GR +55.0000	-128.34	+3.9941	+136.79	+467.06			
05/13/45/53	GR +58.0000	-135.30	+3.9941	+143.75	+430.84			
05/13/49/01	GR +60.0000	-139.74	+4.4807	+149.22	+421.81			
ECF								
TIME IN DAY/MN/HRN/SEC	PER CENT LOAD	SG14A UF X .1	SG14H UF X .1	SG14C UF X .1	R-8 KIP/HP			
05/13/02/28	GR +0.0000	+1.52832	+1.0014	-1.40707	+33.707			
05/13/14/35	GR +10.0000	-25.347	+1.5019	+25.000	-111.4			
05/13/17/44	GR +20.0000	-52.213	+1.5019	+53.500	+1642.4			
05/13/20/47	GR +30.0000	-00.070	+5.0073	+83.000	-1563.2			
05/13/26/53	GR +35.0000	-04.010	+6.0007	+97.500	+1432.0			
05/13/30/28	GR +40.0000	-106.44	+6.5002	+110.00	+937.47			
05/13/33/08	GR +45.0000	-119.84	+7.0012	+124.50	+673.31			
05/13/36/42	GR +50.0000	-131.31	+7.5017	+138.50	+538.22			
05/13/42/06	GR +55.0000	-147.74	+7.5017	+154.50	+418.45			
05/13/45/53	GR +58.0000	-157.60	+8.0117	+164.50	+375.00			
05/13/49/01	GR +60.0000	-164.66	+9.0111	+172.00	+361.95			
ECF								
TIME IN DAY/MN/HRN/SEC	PER CENT LOAD	SG12A UF X .1	SG12H UF X .1	SG12C UF X .1	R-9 KIP/HP	R-13 KIP/HP		
05/13/02/28	GR +0.0000	-1.49990	+1.02744	-1.99658	-2043.0	-144.83		
05/13/14/35	GR +10.0000	-25.901	-1.96777	+19.931	+672.49	+47.843		
05/13/17/44	GR +20.0000	-54.420	-3.9551	+41.357	+250.77	+47.269		
05/13/20/47	GR +30.0000	-04.875	-7.9355	+63.781	+145.90	+46.103		
05/13/26/53	GR +35.0000	-09.851	-10.451	+73.747	+119.39	+46.669		
05/13/30/28	GR +40.0000	-115.33	-12.909	+82.716	+98.443	+45.942		
05/13/33/08	GR +45.0000	-131.30	-15.306	+90.190	+84.876	+45.000		
05/13/36/42	GR +50.0000	-150.77	-21.367	+98.061	+70.296	+45.504		
05/13/42/06	GR +55.0000	-171.74	-26.373	+104.64	+59.571	+45.035		
05/13/45/53	GR +58.0000	-184.22	-32.811	+107.13	+53.007	+44.510		
05/13/49/01	GR +60.0000	-194.71	-35.209	+110.82	+50.037	+44.147		
ECF								

Figure A2-114D: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-1M—CONDITION 2
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR5 UF X .1	SR105 UF X .1	SR7 UF X .1	SR107 UF X .1	SR9 UF X .1	SR109 UF X .1
06/15/05/10	NR +0.0000	+6.6347	+5.9000	+7.1264	-1.4000	+65.885	-25.900
06/15/09/46	NR +10.000	+1.0440	-3.3144	+2.8544	-8.0864	+42.902	-26.040
06/15/13/06	NR +20.000	-1.9951	-8.4610	-4.2766	-18.581	+28.420	-146.76
06/15/17/10	NR +30.000	-1.7934	-14.144	-11.425	-30.084	+4.4066	-197.40
06/15/19/44	NR +35.000	-4.1787	-25.240	-13.330	-37.106	-1.4256	-217.72
06/15/22/42	NR +40.000	-8.5630	-33.847	-15.710	-42.911	-9.4953	-242.42
06/15/25/34	NR +45.000	-0.9997	-42.444	-17.130	-50.060	-8.4420	-268.02
06/15/28/07	NR +50.000	-10.940	-52.999	-18.070	-57.222	-18.441	-297.45
06/15/31/15	NR +55.000	-10.940	-64.865	-18.566	-63.981	-8.4420	-327.40
06/15/34/03	NR +60.000	-11.426	-80.508	-19.042	-70.103	-3.4222	-357.02
06/15/40/23 ECF	NR +0.0000	+13.685	+47.712	+10.600	+20.356	+25.026	+12.640

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR5 UF X .1	SR105 UF X .1	SR7 UF X .1	SR107 UF X .1	SR9 UF X .1	SR109 UF X .1
06/15/05/10	NR +0.0000	+17.781	-5.1074	+2.9795	+2.9795	+23.844	-4.0849
06/15/09/46	NR +10.000	+14.737	-10.473	-14.404	-18.637	+5.0732	-29.577
06/15/13/06	NR +20.000	+1.184	-16.146	-30.756	-40.649	-13.330	-54.547
06/15/17/10	NR +30.000	+1.0830	-28.088	-41.818	-41.225	-27.612	-48.210
06/15/19/44	NR +35.000	+5.5271	-36.181	-45.185	-71.274	-32.373	-75.891
06/15/22/42	NR +40.000	-1.98925	-43.322	-46.147	-81.801	-16.181	-84.490
06/15/25/34	NR +45.000	-7.8427	-49.511	-49.033	-92.807	-41.894	-93.024
06/15/28/07	NR +50.000	-4.7530	-57.664	-47.590	-105.72	-45.703	-109.40
06/15/31/15	NR +55.000	-4.7763	-63.703	-46.678	-120.08	-48.083	-100.72
06/15/34/03	NR +60.000	-7.4206	-71.411	-42.780	-138.26	-48.083	-118.44
06/15/40/23 ECF	NR +0.0000	+1.0691	-14.748	+24.030	-45.434	+16.234	+21.880

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR9 UF X .1	SR109 UF X .1	SR10 UF X .1	SR110 UF X .1	SR11 UF X .1	SR111 UF X .1
06/15/05/10	NR +0.0000	+11.620	-73.678	+29.523	-7.4191	+4.0585	-1.3076
06/15/09/46	NR +10.000	+2.285	-113.13	+7.1264	-30.460	-13.801	-41.849
06/15/13/06	NR +20.000	+6.5007	-176.86	-14.811	-93.370	-73.701	-82.812
06/15/17/10	NR +30.000	+45.301	-199.16	-30.578	-72.839	-100.97	-119.46
06/15/19/44	NR +35.000	+46.321	-221.40	-36.311	-81.408	-128.94	-138.03
06/15/22/42	NR +40.000	+43.267	-242.90	-43.478	-90.444	-145.67	-156.60
06/15/25/34	NR +45.000	+44.794	-265.74	-47.380	-97.595	-162.81	-179.17
06/15/28/07	NR +50.000	+47.849	-288.05	-51.123	-105.68	-184.38	-193.96
06/15/31/15	NR +55.000	+46.502	-312.79	-52.554	-117.39	-190.47	-213.73
06/15/34/03	NR +60.000	+47.192	-336.06	-52.078	-118.06	-217.56	-232.77
06/15/40/23 ECF	NR +0.0000	+0.0000	+20.940	+15.770	-28.088	+29.873	+24.949

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR21 UF X .1	SR22 UF X .1	SR24 UF X .1
06/15/05/10	NR +0.0000	+0.0765	+5.3417	+1.5294
06/15/09/46	NR +10.000	-31.442	-29.296	-31.469
06/15/13/06	NR +20.000	-64.941	-58.034	-65.476
06/15/17/10	NR +30.000	-93.345	-84.288	-96.430
06/15/19/44	NR +35.000	-107.47	-94.891	-113.10
06/15/22/42	NR +40.000	-123.81	-108.92	-127.39
06/15/25/34	NR +45.000	-139.45	-121.84	-141.13
06/15/28/07	NR +50.000	-154.47	-138.70	-150.37
06/15/31/15	NR +55.000	-170.41	-149.41	-175.11
06/15/34/03	NR +60.000	-187.77	-162.54	-191.86
06/15/40/23 ECF	NR +0.0000	+1.5458	-1.4951	-7.4137

Figure A2-115A: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-1M—CONDITION 10
(100 PERCENT LOAD = 206 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG20A UF X .1	SG20B UF X .1	SG20C UF X .1	D-1 INCHES X1000	D-3 INCHES X1000	D-5 INCHES X1000	D-6 INCHES X1000
06/15/05/21	RR +0.0000	-1.9499	+993A5	-1.99707	+16A.02	+9.8791	+70A.24	+24A.01
06/15/09/43	RR +10.0000	-21.258	-32.203	-4.9853	+18A.38	-11A.73	+14A.42	+27A.17
06/15/12/59	RR +20.0000	-44.520	-69.049	-6.4809	+212.34	-19A.65	+401.46	+387.49
06/15/17/05	RR +30.0000	-67.304	-100.85	-4.9853	+240.19	-26A.83	+458.07	+364.92
06/15/19/40	RR +39.0000	-78.197	-110.75	-4.48A8	+254.85	-27A.35	+464.74	+397.64
06/15/22/43	RR +40.0000	-80.000	-133.44	-5.4838	+274.45	-307.55	+520.77	+427.38
06/15/25/30	RR +45.0000	-101.44	-151.43	-5.4838	+294.84	-33A.75	+560.22	+463.59
06/15/28/14	RR +50.0000	-113.34	-167.02	-6.9794	+317.89	-367.84	+625.00	+504.52
06/15/31/06	RR +50.0000	-125.72	-185.81	-5.4838	+344.90	-380.30	+685.22	+553.94
06/15/34/10	RR +A0.0000	-13A.68	-203.49	-5.4838	+354.17	-41A.50	+787.84	+617.05
06/15/40/20 ECF	RR +0.0000	+0.3129	+18.5A8	+22.000	-124.58	-5.9398	-101.42	+18A.05

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG120 UF X .1	SG1120 UF X .1	R-1 KIPS/UF X .1	SG12A UF X .1	SG112A UF X .1	R-2 KIPS/ME
06/15/05/14	RR +0.0000	+100.30	-106.71	+77607	+8.5122	+17.553	+16.506
06/15/05/37	T +0.0000	+0.0000	+02783	+810.83	+82734	+0.0000	+751.75
06/15/09/45	RR +10.0000	-73.454	-49.309	+88.075	-10.947	-13.520	+66A.68
06/15/13/05	RR +20.0000	-45.918	-104.81	+80.763	-36.010	-2A.015	+594.24
06/15/17/09	RR +30.0000	-40.880	-157.24	+72.060	-55.391	-42.874	+554.72
06/15/19/43	RR +39.0000	-44.374	-186.19	+67.146	-65.376	-50.352	+544.43
06/15/22/40	RR +40.0000	-47.368	-213.45	+63.066	-73.804	-57.830	+579.20
06/15/25/33	RR +45.0000	-47.867	-244.21	+58.383	-82.192	-64.311	+575.00
06/15/28/06	RR +50.0000	-46.860	-276.86	+54.5A1	-91.130	-73.284	+632.21
06/15/31/14	RR +55.0000	-41.379	-311.21	+49.420	-100.32	-82.298	+684.33
06/15/34/02	RR +60.0000	-53.994	-347.06	+46.412	-111.30	-93.794	+776.13
06/15/40/22 ECF	RR +0.0000	-51.390	+99.8A1	-1.8779	+14.448	-78.7A8	-3.8419

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG120 UF X .1	SG1120 UF X .1	R-3 KIPS/UF X .1	SG100 UF X .1	SG1100 UF X .1	R-4 KIPS/ME
06/15/05/14	RR +0.0000	+4.4643	+19.000	+14.269	+99.006	-10.411	+1.8916
06/15/05/37	T +0.0000	+0.0000	+0.0000	+2047.9	+0.0000	+0.0125	+1169.4
06/15/09/45	RR +10.0000	+5.9794	+7.9000	+1502.9	-29.198	-32.173	+719.40
06/15/13/05	RR +20.0000	+12.457	+14.9A0	-1767.2	-59.086	-49.775	+81A.68
06/15/17/09	RR +30.0000	+19.931	+22.5A0	-1392.3	-83.798	-90.283	+1004.1
06/15/19/43	RR +39.0000	+22.921	+26.5A0	-1810.1	-93.219	-101.17	+1090.7
06/15/22/40	RR +40.0000	+26.409	+29.5A0	-1111.8	-102.14	-109.64	+1229.9
06/15/25/33	RR +45.0000	+27.984	+31.5A0	-1226.1	-110.87	-117.17	+1464.5
06/15/28/06	RR +50.0000	+28.394	+33.5A0	-419.35	-116.92	-121.10	+1734.1
06/15/31/14	RR +59.0000	+22.388	+35.0A0	+630.81	-11A.58	-124.60	+2098.8
06/15/34/02	RR +60.0000	+23.389	+36.5A0	+285.84	-116.92	-124.10	+1591.4
06/15/40/22 ECF	RR +0.0000	+4.931	+26.5A0	-43.242	-43.293	+0.4834	-5.3700

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	D-1 INCHES X1000	R-3 KIPS/INCHES X1000	SG11 UF X .1	SG111 UF X .1	R-6 KIPS/ME
06/15/05/14	RR +0.0000	+190.00	+00423	-3.0234	-7.4615	+33.0A3
06/15/05/37	T +0.0000	+0.0000	+2047.9	+027A36	+027A36	+2047.9
06/15/09/45	RR +10.0000	+17.597	+13.015	-38.493	-38.924	+1100.2
06/15/13/05	RR +20.0000	+45.270	+10.506	-81.574	-82.934	+99A.65
06/15/17/09	RR +30.0000	+73.001	+9.5117	-120.60	-121.8A	+1307.1
06/15/19/43	RR +39.0000	+8A.710	+9.2287	-130.35	-141.61	-477.40
06/15/22/40	RR +40.0000	+0A.2A	+8.6A16	-157.99	-160.83	-1246.0
06/15/25/33	RR +45.0000	+127.52	+8.8917	-176.35	-181.87	+1909.1
06/15/28/06	RR +50.0000	+11.54	+7.5312	-195.61	-201.30	+2004.8
06/15/31/14	RR +55.0000	+80.19	+6.8613	-215.37	-222.84	+1894.5
06/15/34/02	RR +60.0000	+85.71	+7.3401	-234.63	-242.78	+1675.1
06/15/40/22 ECF	RR +0.0000	-297.00	-09710	+22.899	+30.524	-17.200

Figure A2-115B: TABULATED TRANSDUCER DATA—PANEL 2A-2P-1M—CONDITION 10
(Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG112A UF X .1	SG112B UF X .1	SG112C UF X .1	R-10 KIP/IN	R-12 KIP/IN
06/15/05/15	RR +0.0000	+19.564	-182.49	+12.000	-5.1503	-4.3109
06/15/09/49	RR +10.000	+5.0170	-191.75	+18.500	+79.000	+66.000
06/15/13/07	RR +20.000	-0.4721	-206.28	+26.500	+125.10	+104.96
06/15/17/11	RR +30.000	-23.431	-250.73	+34.000	+145.31	+120.93
06/15/19/39	RR +35.000	-10.410	-200.68	+30.000	+150.29	+125.12
06/15/22/39	RR +40.000	-17.000	-115.45	+40.500	+154.92	+130.79
06/15/25/42	RR +45.000	-44.360	-144.90	+43.500	+161.47	+134.73
06/15/28/08	RR +50.000	-53.341	-177.64	+44.500	+161.62	+134.81
06/15/31/04	RR +55.000	-43.311	-411.07	+46.500	+165.85	+130.85
06/15/34/04	RR +60.000	-74.201	-440.70	+46.000	+164.91	+130.97
06/15/40/26 EOF	RR +0.0000	-59.024	-2.4077	+37.500	-264.78	-24.473

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG115A UF X .1	SG115B UF X .1	SG115C UF X .1	SG116A UF X .1	SG116B UF X .1	SG116C UF X .1
06/15/05/15	RR +0.0000	+1.0200	+5.5100	+3.0001	+3.0336	+3.0000	+1.90345
06/15/09/49	RR +10.000	-17.410	-14.370	-1.40053	-17.305	-12.900	-1.4907
06/15/13/07	RR +20.000	-42.346	-77.244	-1.9941	-38.203	-47.302	-1.9073
06/15/17/11	RR +30.000	-45.777	-114.43	-1.40053	-59.670	-98.211	+0.0000
06/15/19/39	RR +35.000	-77.244	-131.68	+1.40053	-70.694	-115.16	+0.0000
06/15/22/39	RR +40.000	-89.707	-151.02	+1.40053	-80.070	-120.61	+1.90345
06/15/25/42	RR +45.000	-100.07	-169.07	+1.40053	-89.531	-145.07	+1.9073
06/15/28/08	RR +50.000	-111.44	-100.41	+1.9941	-100.47	-160.52	+1.4907
06/15/31/04	RR +55.000	-124.10	-207.46	+3.4931	-111.42	-170.47	+2.9000
06/15/34/04	RR +60.000	-136.07	-226.00	+5.4002	-122.37	-194.02	+4.4002
06/15/40/26 EOF	RR +0.0000	+77.024	+47.476	-23.900	-3.0516	+32.000	+15.440

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG118A UF X .1	SG118B UF X .1	SG118C UF X .1	SG119A UF X .1	SG119B UF X .1	SG119C UF X .1
06/15/05/21	RR +0.0000	+14.00	+65.774	+110.07	-120.12	-16.445	-119.02
06/15/09/43	RR +10.000	+06.520	+35.370	+120.61	-174.40	-47.000	-140.90
06/15/12/59	RR +20.000	+01.520	+3.9043	+130.17	-225.03	-80.000	-160.07
06/15/17/05	RR +30.000	+73.520	-19.970	+150.27	-275.69	-100.00	-180.00
06/15/19/40	RR +35.000	+73.520	-31.404	+174.34	-301.61	-114.00	-200.07
06/15/22/43	RR +40.000	+72.020	-40.440	+100.99	-320.94	-120.00	-220.00
06/15/25/30	RR +45.000	+77.020	-47.909	+200.91	-350.47	-130.00	-230.00
06/15/28/14	RR +50.000	+03.520	-54.400	+231.12	-375.30	-130.00	-250.00
06/15/31/06	RR +55.000	+03.520	-56.407	+260.26	-390.82	-140.00	-270.00
06/15/34/10	RR +60.000	+100.52	-55.400	+290.43	-420.94	-140.00	-290.00
06/15/40/20 EOF	RR +0.0000	-2.9014	+21.426	+14.570	+235.04	-41.900	+21.000

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SG119A UF X .1	SG119B UF X .1	SG119C UF X .1	SG119A UF X .1	SG119B UF X .1	SG119C UF X .1
06/15/05/21	RR +0.0000	+16.10	+64.210	+120.62	-130.00	-14.000	-119.00
06/15/09/43	RR +10.000	+09.604	+36.103	+127.21	-171.00	-46.770	-140.00
06/15/12/59	RR +20.000	+06.204	+4.5101	+140.30	-224.90	-70.000	-160.00
06/15/17/05	RR +30.000	+70.720	-20.070	+161.17	-271.90	-100.00	-180.00
06/15/19/40	RR +35.000	+70.720	-30.117	+175.07	-290.90	-114.00	-200.00
06/15/22/43	RR +40.000	+70.220	-39.604	+191.50	-323.90	-120.00	-210.00
06/15/25/30	RR +45.000	+04.210	-47.103	+200.03	-347.90	-131.00	-230.00
06/15/28/14	RR +50.000	+01.604	-53.700	+232.63	-372.90	-137.00	-240.00
06/15/31/06	RR +55.000	+103.64	-59.706	+261.02	-394.00	-140.00	-260.00
06/15/34/10	RR +60.000	+120.50	-54.200	+295.99	-420.00	-130.00	-280.00
06/15/40/20 EOF	RR +0.0000	-2.9000	+21.071	+10.643	+195.05	-4.4002	+27.400

Figure A2-115C: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-1M-CONDITION 10
(Continued)

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP PSIG X100	SG14A UF X .1	SG13B UF X .1	SG13C UF X .1
06/15/05/15	RR +0.0000	-1.47110	-1.47908	-1.10187	+200.12	+4.5346	+1.5243	+2.0996
06/15/09/49	RR +10.000	+10.831	+11.049	+1.4140	+200.12	-21.071	+40.648	-2.0996
06/15/13/07	RR +20.000	+23.074	+23.549	+3.2343	+198.21	-51.471	+48.444	-7.4892
06/15/17/11	RR +30.000	+33.908	+34.078	+4.8515	+198.44	-60.471	+139.48	-11.982
06/15/19/39	RR +35.000	+49.550	+48.878	+5.4023	+201.39	-94.471	-156.40	-14.479
06/15/22/39	RR +40.000	+44.739	+45.118	+6.4687	+200.76	-108.97	-174.41	-16.476
06/15/25/42	RR +45.000	+49.920	+51.387	+7.1762	+201.39	-122.97	-194.43	-20.470
06/15/28/08	RR +50.000	+56.042	+56.647	+8.0859	+200.12	-137.47	-221.45	-23.964
06/15/31/04	RR +55.000	+62.165	+62.877	+8.9956	+200.76	-151.47	-248.97	-27.958
06/15/34/04	RR +60.000	+67.345	+68.647	+9.8041	+200.76	-164.97	-265.49	-31.953
06/15/40/26 REF	RR +0.0000	-1.94433	-2.4072	-1.10187	+1.1194	+37.082	+44.580	-16.975

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1	R-7 KIP/UF
06/15/05/15	RR +0.0000	+7.0087	+7.8146	+1.9948	+157.78
06/15/09/49	RR +10.000	-16.862	-35.742	+1.9984	+201.80
06/15/13/07	RR +20.000	-42.208	-70.449	+0.0000	+197.21
06/15/17/11	RR +30.000	-47.539	-116.42	+2.9941	+193.35
06/15/19/39	RR +35.000	-80.456	-134.41	+5.4892	+192.07
06/15/22/39	RR +40.000	-92.388	-152.49	+5.9882	+193.44
06/15/25/42	RR +45.000	-104.38	-170.47	+6.4873	+194.99
06/15/28/08	RR +50.000	-117.29	-189.75	+8.9823	+194.41
06/15/31/04	RR +55.000	-131.13	-208.43	+10.978	+195.64
06/15/34/04	RR +60.000	-145.54	-227.42	+14.978	+194.77
06/15/40/26 REF	RR +0.0000	-73.321	+22.872	+43.914	+51.324

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1	R-8 KIP/UF
06/15/05/15	RR +0.0000	+7.0283	+4.8048	+4.8058	+79.195
06/15/09/49	RR +10.000	-29.361	-44.349	-1.99365	+164.10
06/15/13/07	RR +20.000	-65.694	-97.712	-4.9689	+158.23
06/15/17/11	RR +30.000	-86.546	-146.46	-6.9555	+153.31
06/15/19/39	RR +35.000	-102.46	-178.40	-7.9492	+152.17
06/15/22/39	RR +40.000	-117.80	-193.43	-8.9428	+152.89
06/15/25/42	RR +45.000	-132.91	-216.46	-11.427	+151.82
06/15/28/08	RR +50.000	-148.74	-240.79	-13.911	+151.51
06/15/31/04	RR +55.000	-164.14	-265.42	-15.481	+154.37
06/15/34/04	RR +60.000	-179.59	-288.15	-17.885	+154.26
06/15/40/26 REF	RR +0.0000	+13.528	+42.542	-1.49707	+76.402

TIME IN DAY/MR/MIN/SEC	PFR CENT LOAD	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1	R-9 KIP/UF	R-11 KIP/UF
06/15/05/15	RR +0.0000	+10.515	+104.40	+1.0000	+5.0517	-2.2290
06/15/09/49	RR +10.000	-17.0919	+81.040	+6.5000	-140.87	+124.92
06/15/13/07	RR +20.000	-26.960	+58.040	+13.000	-448.26	+340.83
06/15/17/11	RR +30.000	-45.433	+42.540	+20.000	-917.94	+525.30
06/15/19/39	RR +35.000	-48.910	+39.540	+23.500	-1171.6	+564.97
06/15/22/39	RR +40.000	-44.405	+37.040	+26.000	-1492.9	+600.95
06/15/25/42	RR +45.000	-77.394	+36.540	+28.500	-1744.2	+624.63
06/15/28/08	RR +50.000	-81.380	+37.040	+31.000	-2018.0	+638.90
06/15/31/04	RR +55.000	-80.866	+42.040	+32.500	-1944.4	+641.44
06/15/34/04	RR +60.000	-101.84	+49.540	+33.500	-2015.0	+625.54
06/15/40/26 REF	RR +0.0000	+4.534	+51.540	+20.500	+36.118	-30.222

Figure A2-115D: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-1M—CONDITION 10
(Continued)

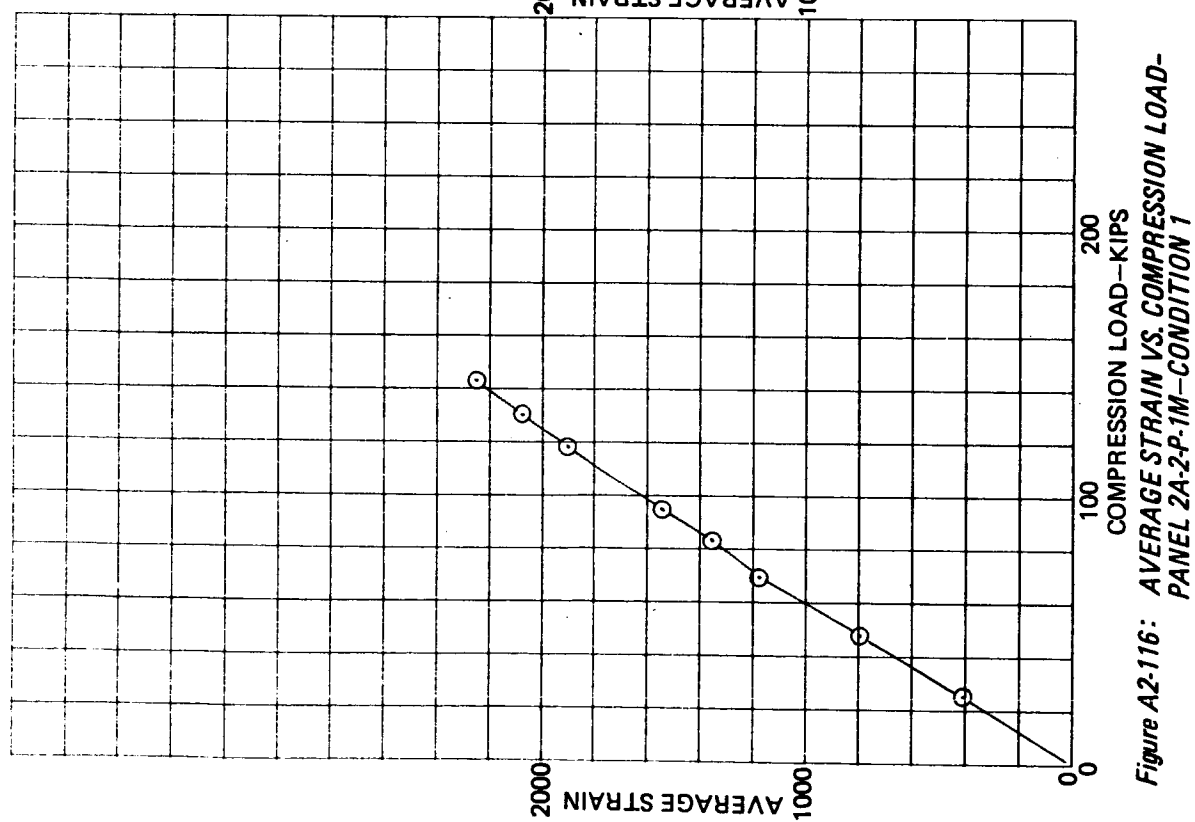


Figure A2-116: AVERAGE STRAIN VS. COMPRESSION LOAD-
PANEL 2A-2-P-1M-CONDITION 1

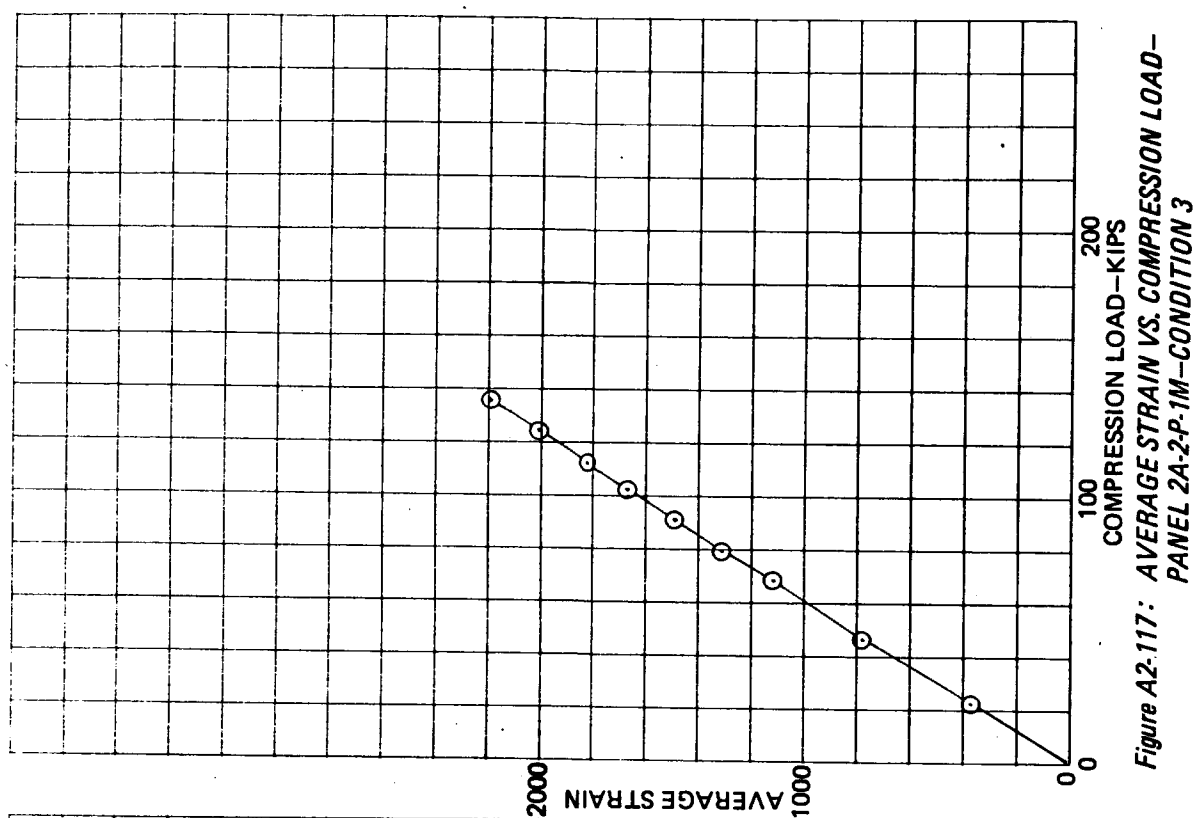
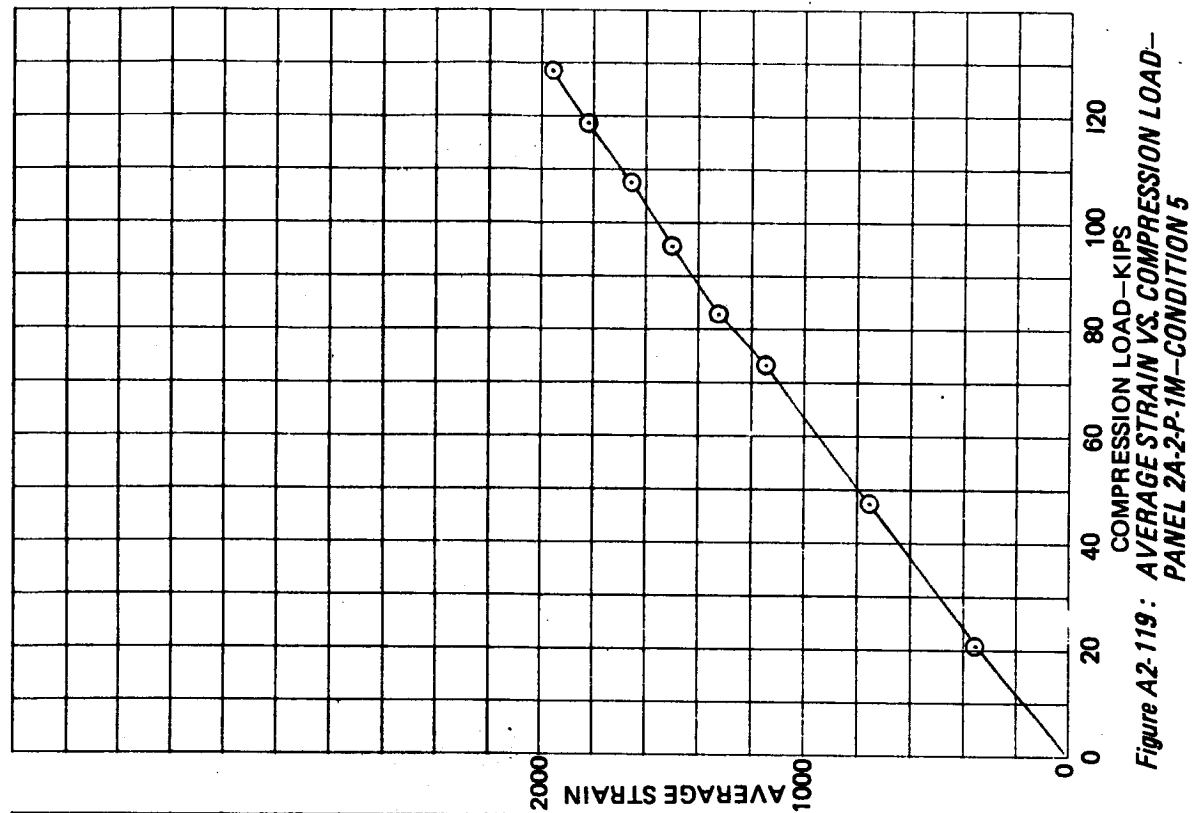
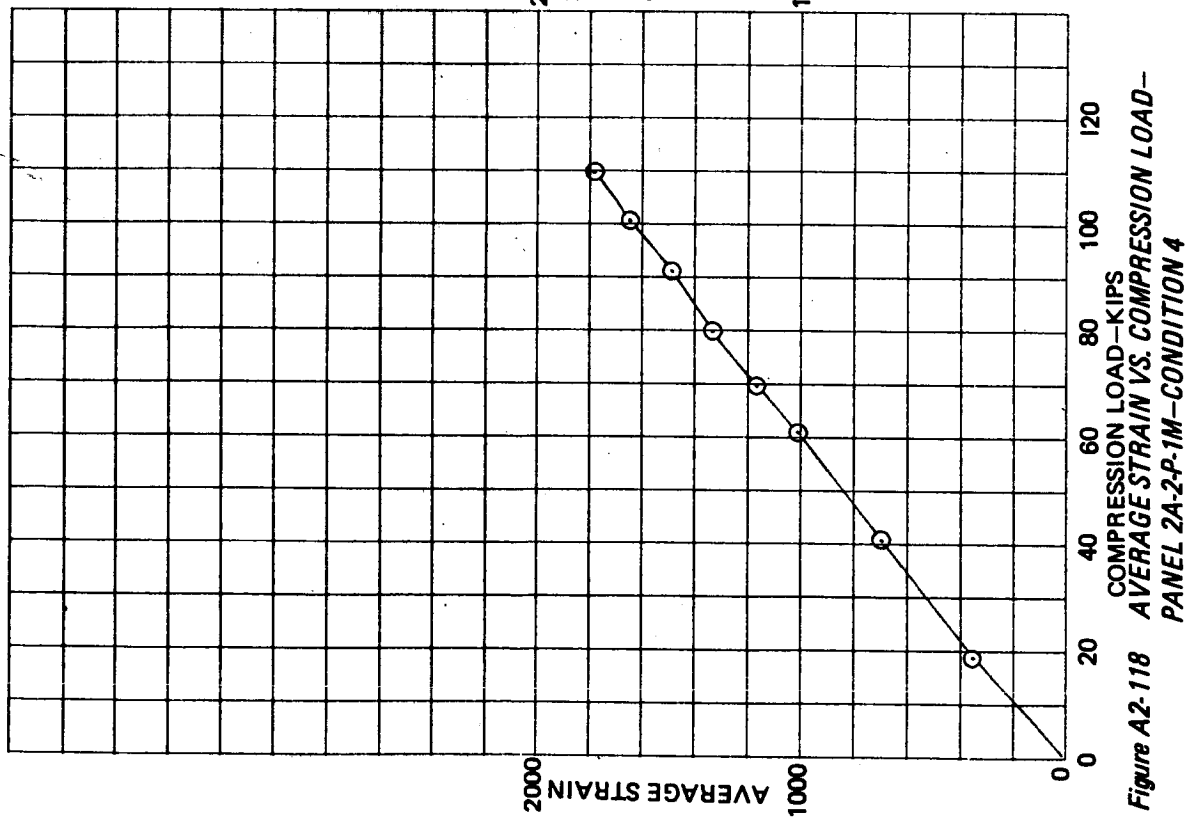


Figure A2-117: AVERAGE STRAIN VS. COMPRESSION LOAD-
PANEL 2A-2-P-1M-CONDITION 3



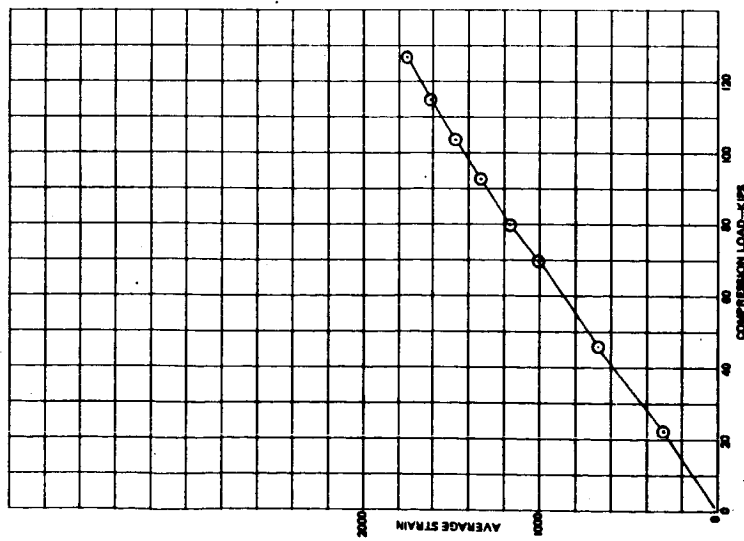


Figure A2-120: AVERAGE STRAIN VS.
COMPRESSION LOAD-PANEL 2A-2-P-1M-
CONDITION 6

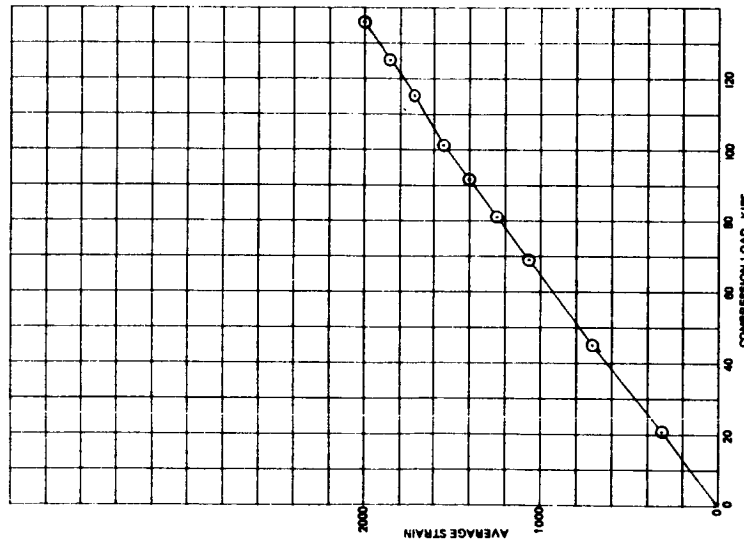


Figure A2-121: AVERAGE STRAIN VS.
COMPRESSION LOAD-PANEL 2A-2-P-1M-
CONDITION 9

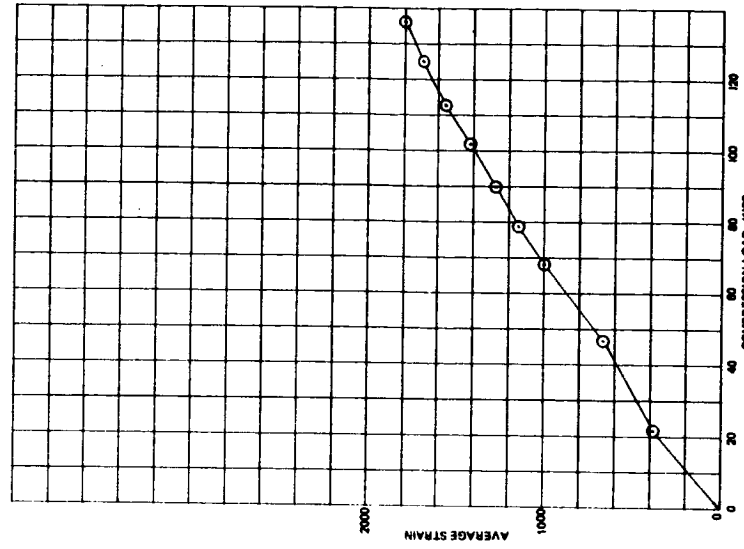


Figure A2-122: AVERAGE STRAIN VS.
COMPRESSION LOAD-PANEL 2A-2-P-1M-
CONDITION 10

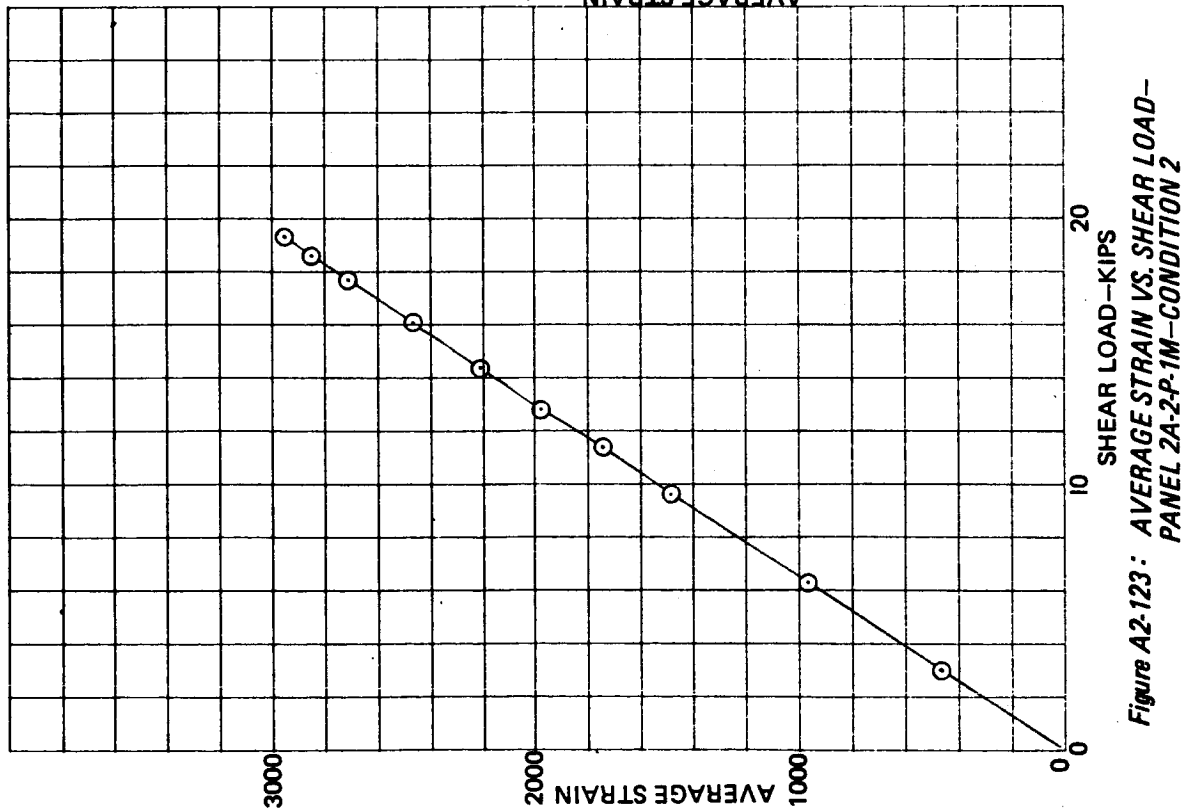


Figure A2-123: AVERAGE STRAIN VS. SHEAR LOAD -
PANEL 2A-2-P-1M-CONDITION 2

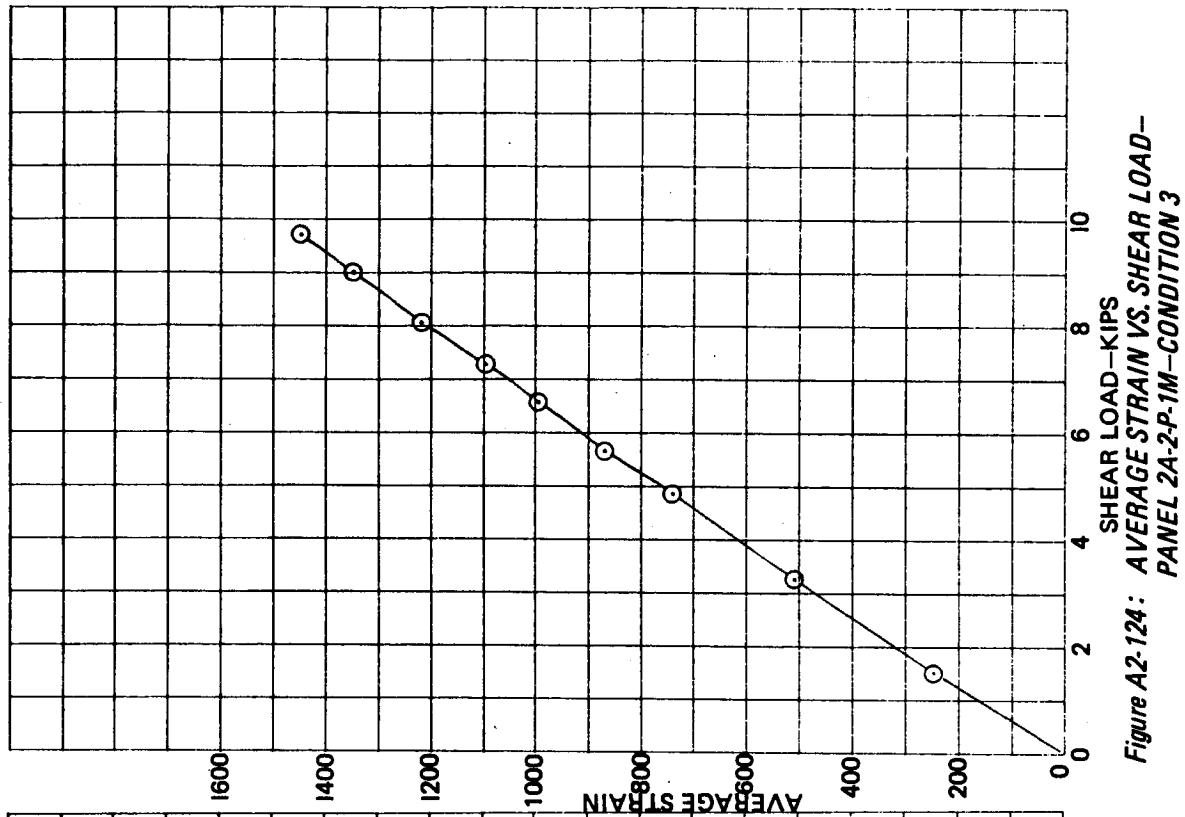


Figure A2-124: AVERAGE STRAIN VS. SHEAR LOAD -
PANEL 2A-2-P-1M-CONDITION 3

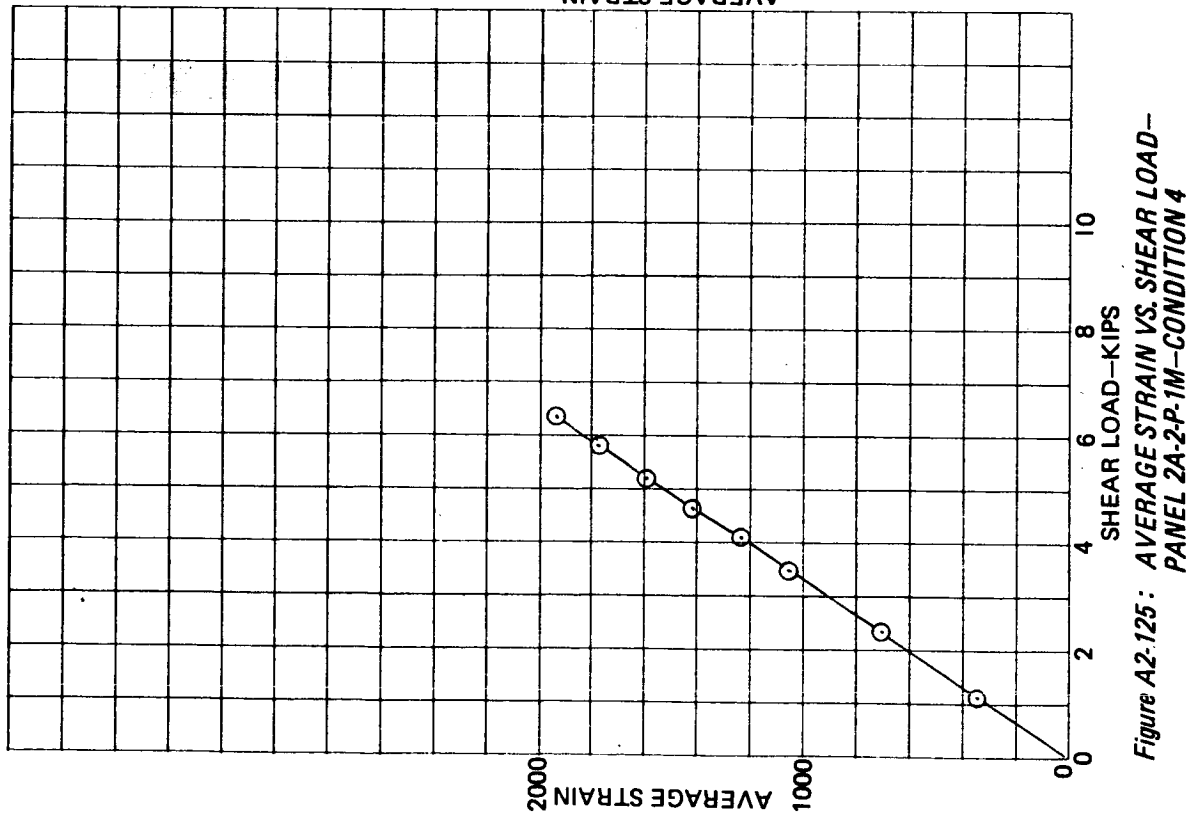


Figure A2-125: AVERAGE STRAIN VS. SHEAR LOAD—
PANEL 2A-2-P-1M—CONDITION 4

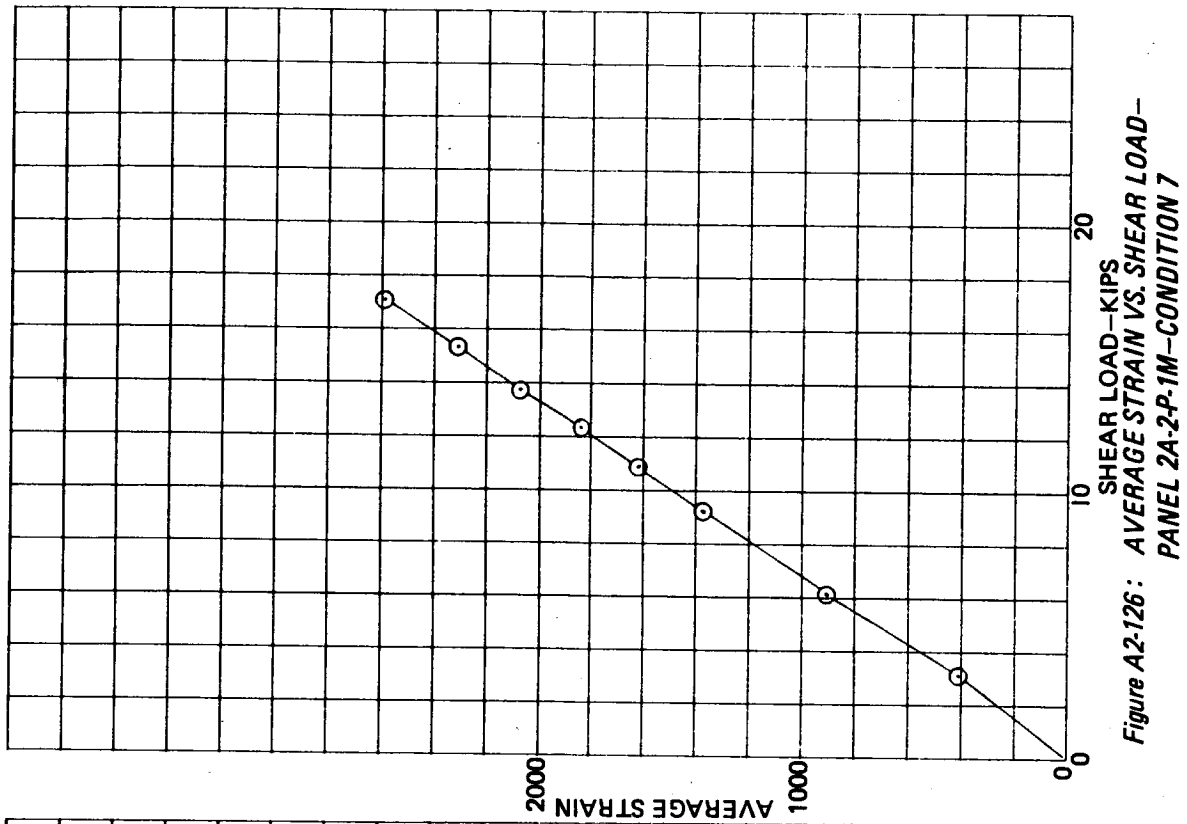


Figure A2-126: AVERAGE STRAIN VS. SHEAR LOAD—
PANEL 2A-2-P-1M—CONDITION 7

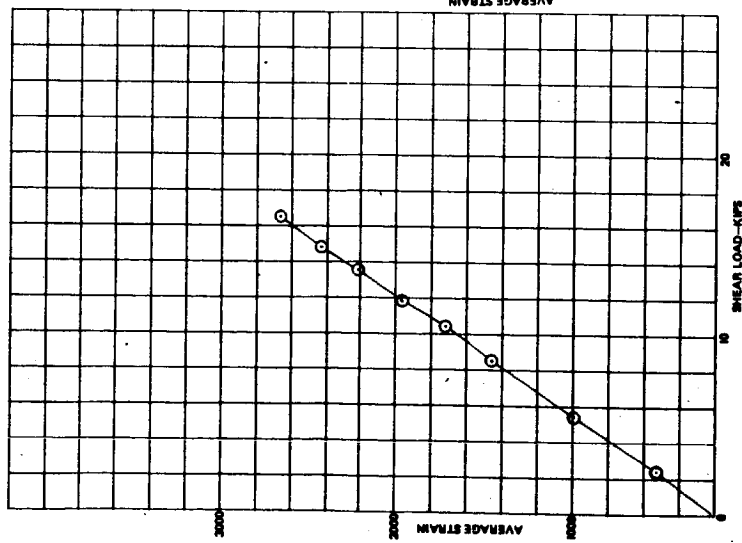


Figure A2-127: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2A-2-P-1M-CONDITION 8

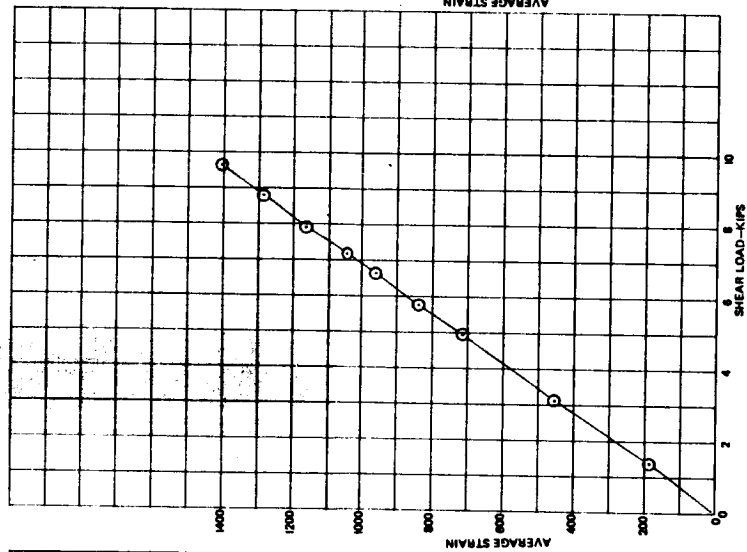


Figure A2-128: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2A-2-P-1M-CONDITION 9

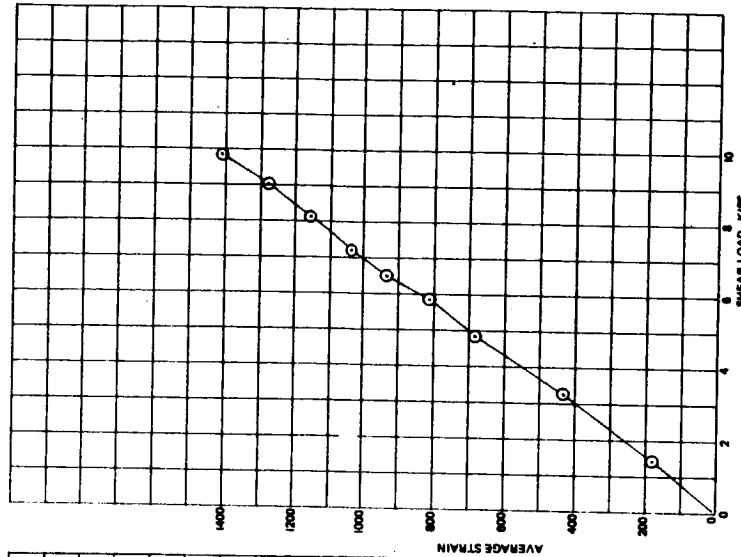


Figure A2-129: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2A-2-P-1M-CONDITION 10

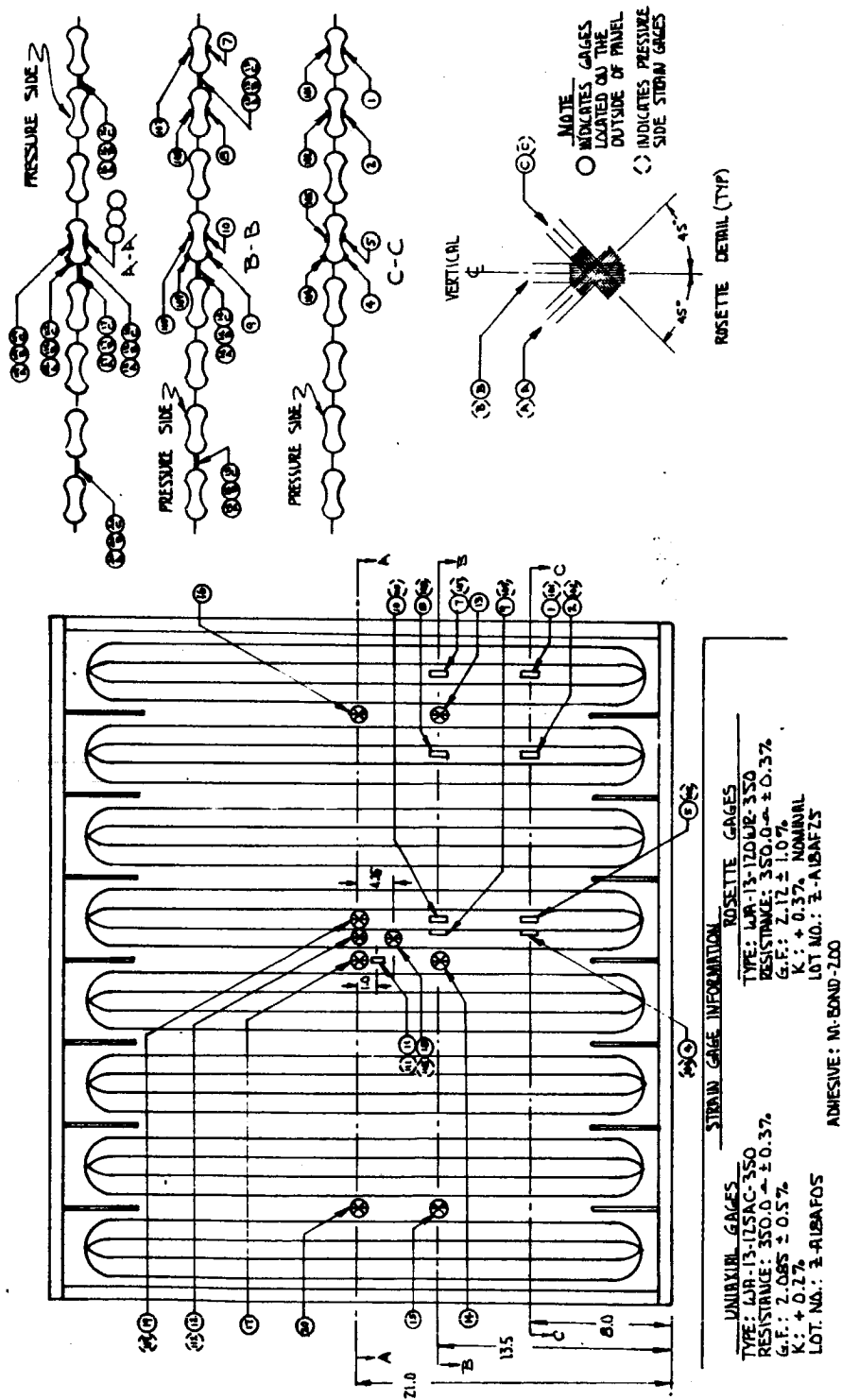


Figure A2-130: STRAIN GAGE INSTALLATIONS-PANEL NO. 2A-2-P-2

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG12A UF X .1	SG12M UF X .1	SG12C UF X .1	W9 KIP/UF	W13 KIP/UF	W14 KIP/UF
10/14/57/14	GM +0.0000	+1.5102	+5.0794	+2.0307	+172.31	-144.13	-215.07
10/14/02/16	GM +50.000	-40.599	-105.31	-34.750	+350.83	+300.99	+205.15
10/14/04/40	GM +55.000	-45.590	-103.70	-30.228	+350.24	+300.09	+203.83
10/14/07/52	GM +60.000	-40.511	-221.98	-41.706	+359.34	+301.02	+204.62
10/14/11/14	GM +65.000	-52.472	-238.97	-44.687	+359.57	+301.22	+203.53
10/14/16/41	GM +70.000	-56.948	-255.96	-48.061	+361.50	+302.83	+203.01
10/14/21/23	GM +75.000	-59.909	-274.75	-53.132	+362.04	+303.98	+204.06
10/14/30/25	GM +0.0000	+1.5102	-9.658	+0.2783	+33.000	+20.454	+10.685

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG1 UF X .1	SG101 UF X .1	SG2 UF X .1	SG102 UF X .1	SG4 UF X .1	SG104 UF X .1
10/14/57/16	GM +0.0000	+3.5746	+6.6171	+4.0913	+2.5644	+5.5417	+2.4640
10/14/02/18	GM +50.000	-40.581	-23.314	-39.880	-40.385	-134.00	-146.67
10/14/04/40	GM +55.000	-44.041	-25.848	-44.426	-43.416	-151.90	-162.95
10/14/07/54	GM +60.000	-48.702	-27.369	-48.972	-48.467	-164.08	-178.03
10/14/11/16	GM +65.000	-52.254	-31.493	-53.013	-53.013	-178.10	-193.21
10/14/16/35	GM +70.000	-55.808	-33.451	-57.559	-56.549	-192.20	-209.40
10/14/21/17	GM +75.000	-59.360	-36.992	-62.105	-61.095	-206.39	-225.48
10/14/30/27	GM +0.0000	+6.6196	+9.6713	+5.1079	+3.9830	+3.4990	+1.4996

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG5 UF X .1	SG105 UF X .1	SG7 UF X .1	SG107 UF X .1	SG8 UF X .1	SG108 UF X .1
10/14/57/16	GM +0.0000	+3.5512	+1.0400	+4.0722	+5.5991	+5.6644	+7.1204
10/14/02/18	GM +50.000	-45.522	-42.466	-119.50	-116.74	-131.55	-144.02
10/14/04/40	GM +55.000	-51.001	-47.019	-131.71	-120.41	-144.16	-160.64
10/14/07/54	GM +60.000	-55.138	-51.572	-144.42	-140.50	-158.27	-176.89
10/14/11/16	GM +65.000	-59.691	-54.607	-156.63	-152.77	-171.30	-192.00
10/14/16/35	GM +70.000	-63.730	-59.140	-169.34	-164.45	-182.98	-207.77
10/14/21/17	GM +75.000	-67.780	-63.207	-181.55	-176.12	-194.07	-223.91
10/14/30/27	GM +0.0000	+3.5512	+0.2539	+4.0722	+6.1445	+5.8901	+5.8864

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG9 UF X .1	SG109 UF X .1	SG10 UF X .1	SG110 UF X .1	SG11 UF X .1	SG111 UF X .1
10/14/57/16	GM +0.0000	+2.0594	+4.0644	+5.5913	+4.5659	+6.4342	+4.6079
10/14/02/18	GM +50.000	-160.69	-150.45	-132.20	-156.61	-190.17	-200.29
10/14/04/40	GM +55.000	-185.86	-174.52	-145.46	-172.83	-209.90	-220.02
10/14/07/54	GM +60.000	-202.02	-190.20	-158.33	-188.54	-228.62	-239.94
10/14/11/16	GM +65.000	-218.60	-205.37	-170.20	-205.20	-245.82	-257.00
10/14/16/35	GM +70.000	-234.35	-220.04	-182.46	-220.98	-261.52	-275.80
10/14/21/17	GM +75.000	-249.00	-235.22	-193.61	-237.19	-280.72	-293.07
10/14/30/27	GM +0.0000	-4.0151	+1.5249	+2.0273	+5.0683	+5.3222	-2.5020

TIME IN DAY/HH/MM/SEC	PER CENT LOAD	SG21 UF X .1	SG22 UF X .1	SG24 UF X .1	D1 INCHES X1000	D3 INCHES X1000
10/14/57/16	GM +0.0000	+2.5278	+1.0380	+2.5507	+0.0000	-54.030
10/14/02/18	GM +50.000	-157.92	-144.16	-161.34	+0.92089	-154.30
10/14/04/40	GM +55.000	-174.01	-159.78	-177.52	+1.0422	-158.25
10/14/07/54	GM +60.000	-190.20	-172.89	-194.22	+0.92089	-158.25
10/14/11/16	GM +65.000	-205.32	-186.50	-210.91	+1.0422	-158.25
10/14/16/35	GM +70.000	-220.55	-199.11	-227.60	-476.25	-171.76
10/14/21/17	GM +75.000	-234.23	-213.72	-244.30	-476.11	-167.90
10/14/30/27	GM +0.0000	+2.0224	+0.2685	+2.0458	+489.27	-25.000

Figure A2-131A: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-2M—CONDITION 11
(100 PERCENT LOAD = 238 KIPS)

TIME IN DAY/MN/HTN/SEC	PER CENT LOAD	SG16A UF X .1	SG16B UF X .1	SG16C UF X .1	SG17A UF X .1	SG17B UF X .1	SG17C UF X .1
X0/14/57/17	GM +0.0000	+1.0190	+4.5048	+4.0000	+4.0000	+8.3959	+1.9949
X0/14/02/04	GM +50.0000	-66.812	-170.43	-49.853	-55.147	-181.79	-94.462
X0/15/04/51	GM +55.0000	-73.743	-188.04	-54.838	-60.612	-199.53	-99.999
X0/15/07/59	GM +60.0000	-80.180	-206.45	-60.821	-66.574	-217.27	-104.349
X0/15/11/20	GM +65.0000	-86.616	-222.37	-65.806	-72.040	-233.52	-109.818
X0/15/16/37	GM +70.0000	-94.043	-239.29	-70.792	-77.088	-249.29	-115.772
X0/15/21/19	GM +75.0000	-100.97	-256.71	-75.278	-81.976	-266.04	-121.753
X0/15/30/36	GM +0.0000	+1.0190	+4.5048	+4.0000	+4.0000	+8.3959	+1.9949
EEF							
TIME IN DAY/MN/HTN/SEC	PER CENT LOAD	SG10A UF X .1	SG10B UF X .1	SG10C UF X .1	SG110A UF X .1	SG110B UF X .1	SG110C UF X .1
X0/14/57/20	GM +0.0000	+3.4004	+4.4087	+5.0136	+2.0410	+7.0179	+1.9940
X0/15/02/15	GM +50.0000	-64.028	-193.55	-64.192	-107.15	-201.87	-91.083
X0/15/04/53	GM +55.0000	-104.95	-212.45	-103.66	-118.12	-222.31	-99.014
X0/15/07/55	GM +60.0000	-114.92	-231.36	-112.63	-130.58	-242.79	-107.07
X0/15/11/17	GM +65.0000	-124.32	-250.76	-121.01	-140.55	-261.69	-117.92
X0/15/16/39	GM +70.0000	-136.33	-267.68	-130.58	-151.52	-280.14	-128.88
X0/15/21/21	GM +75.0000	-144.78	-285.59	-139.55	-163.48	-300.08	-136.33
X0/15/30/28	GM +0.0000	-144.78	-285.59	-139.55	-163.48	-300.08	-136.33
EEF							
TIME IN DAY/MN/HTN/SEC	PER CENT LOAD	SG12A UF X .1	SG12B UF X .1	SG12C UF X .1	SG112A UF X .1	SG112B UF X .1	SG112C UF X .1
X0/14/57/20	GM +0.0000	+3.4000	+4.4677	+2.0278	+5.2343	+3.4117	+7.0773
X0/15/02/15	GM +50.0000	-46.579	-184.81	-34.750	-52.532	-194.54	-90.996
X0/15/04/53	GM +55.0000	-44.868	-203.20	-37.731	-57.491	-213.99	-93.992
X0/15/07/55	GM +60.0000	-48.856	-221.58	-41.706	-63.937	-233.89	-97.417
X0/15/11/17	GM +65.0000	-53.343	-239.47	-45.680	-69.391	-252.79	-101.412
X0/15/16/39	GM +70.0000	-56.334	-254.36	-48.661	-74.845	-272.16	-104.989
X0/15/21/21	GM +75.0000	-60.322	-273.75	-52.636	-80.795	-291.57	-108.984
X0/15/30/28	GM +0.0000	+3.4000	+4.4677	+2.0278	+5.2343	+3.4117	+7.0773
EEF							
TIME IN DAY/MN/HTN/SEC	PER CENT LOAD	SG12H UF X .1	SG12H UF X .1	H1 KIP/UF	SG12C UF X .1	SG112C UF X .1	H3 KIP/UF
X0/14/57/14	GM +0.0000	+5.9794	+4.0136	-94.436	+2.0307	+0.0273	-92.686
X0/15/02/16	GM +50.0000	-184.31	-174.192	+1246.7	-34.750	-11.379	+2047.9
X0/15/04/46	GM +55.0000	-203.20	-214.37	+1174.5	-38.228	-14.371	+2047.9
X0/15/07/52	GM +60.0000	-221.58	-233.81	+1173.3	-41.706	-17.840	+2047.9
X0/15/11/14	GM +65.0000	-239.47	-252.92	+1084.1	-45.682	-20.343	+2047.9
X0/15/16/41	GM +70.0000	-254.36	-272.20	+1020.3	-48.661	-23.344	+2047.9
X0/15/21/23	GM +75.0000	-273.75	-291.14	+973.24	-52.636	-26.834	+2047.9
X0/15/30/25	GM +0.0000	-273.75	-291.14	+973.24	-52.636	-26.834	+2047.9
EEF							
TIME IN DAY/MN/HTN/SEC	PER CENT LOAD	SG10H UF X .1	SG110H UF X .1	H4 KIP/UF	SG11 UF X .1	SG111 UF X .1	H6 KIP/UF
X0/14/57/14	GM +0.0000	+6.0082	+7.5146	-123.12	+6.1444	+4.6015	-120.12
X0/15/02/15	GM +50.0000	-193.55	-202.17	+1389.7	-191.41	-200.29	+1349.7
X0/15/04/46	GM +55.0000	-212.45	-222.14	+1354.3	-210.61	-219.51	+1472.9
X0/15/07/52	GM +60.0000	-231.36	-241.61	+1171.6	-229.38	-239.94	+1442.9
X0/15/11/14	GM +65.0000	-250.76	-260.58	+1208.8	-248.42	-257.06	+1388.8
X0/15/16/41	GM +70.0000	-269.29	-281.05	+1201.8	-263.14	-276.17	+1279.3
X0/15/21/23	GM +75.0000	-285.59	-301.82	+1160.0	-280.82	-294.38	+1319.9
X0/15/30/25	GM +0.0000	+6.0082	+7.5146	+3.9921	+5.3173	-2.5029	+2.0112
EEF							

Figure A2-1318: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-2M—CONDITION 11
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	LPP PSIG X100	SG2PA UF X .1	SG2AB UF X .1	SG2BB UF X .1
70/14/57/17	GM +8.0000	-446.72	-92910	-99521	+3.1860	+3.5312	+4.0317	-99999
70/15/02/24	GM +50.0000	+50.030	+59.844	+1.0122	+1.9116	-40.097	-168.39	-49.026
70/15/04/51	GM +55.0000	+65.118	+65.596	+1.0122	+1.9116	-63.562	-185.90	-54.919
70/15/07/59	GM +60.0000	+71.673	+71.399	+1.2133	+2.5488	-69.924	-201.40	-58.913
70/15/11/20	GM +65.0000	+77.292	+77.549	+1.3139	+1.9116	-74.492	-217.67	-63.407
70/15/16/37	GM +70.0000	+83.340	+83.202	+1.1127	+3.1860	-79.440	-231.40	-66.402
70/15/21/19	GM +75.0000	+89.967	+89.512	+1.4145	+3.2232	-84.429	-246.89	-71.399
70/15/30/36	GM +0.0000	+0.3022	-44991	-19677	+1.9116	+1.9312	+2.5317	-40600
EEF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1	R7 KIPS/UF
70/14/57/17	GM +0.0000	+3.5048	+10.028	+3.5000	+45.811
70/15/02/24	GM +50.0000	-33.336	-189.26	-45.775	+209.68
70/15/04/51	GM +55.0000	+24.897	-192.24	-37.814	+226.96
70/15/07/59	GM +60.0000	+2.0899	-171.37	-9.9511	+278.56
70/15/11/20	GM +65.0000	+150.23	+62.528	+166.50	-827.06
70/15/16/37	GM +70.0000	+248.46	+201.52	+267.50	-276.26
70/15/21/19	GM +75.0000	+307.44	+286.02	+330.00	-209.02
70/15/30/36	GM +0.0000	+44.064	+63.028	+46.000	+2.2192
EEF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG18A UF X .1	SG18B UF X .1	SG18C UF X .1	R11 KIPS/UF
70/14/57/17	GM +0.0000	+1.4946	+4.5098	-96679	+169.92
70/15/02/24	GM +50.0000	-14.843	-178.84	-40.333	+367.66
70/15/04/51	GM +55.0000	-16.833	-196.63	-50.321	+367.60
70/15/07/59	GM +60.0000	-18.319	-214.42	-54.808	+368.65
70/15/11/20	GM +65.0000	-19.684	-231.22	-57.799	+376.13
70/15/16/37	GM +70.0000	-20.704	-248.52	-62.785	+378.38
70/15/21/19	GM +75.0000	-21.785	-266.31	-67.770	+376.85
70/15/30/36	GM +0.0000	+3.4877	-1.4526	-2.9689	-150.82
EEF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG118A UF X .1	SG118B UF X .1	SG118C UF X .1	R12 KIPS/UF
70/14/57/17	GM +0.0000	+90511	+3.5000	+52880	+210.19
70/15/02/24	GM +50.0000	-33.336	-189.09	-34.368	+364.44
70/15/04/51	GM +55.0000	-36.819	-203.50	-37.359	+364.46
70/15/07/59	GM +60.0000	-41.297	-221.41	-40.351	+358.49
70/15/11/20	GM +65.0000	-43.785	-239.32	-42.843	+359.08
70/15/16/37	GM +70.0000	-47.765	-255.74	-44.837	+361.60
70/15/21/19	GM +75.0000	-50.750	-274.65	-47.330	+361.66
70/15/30/36	GM +0.0000	+2.4877	-2.9853	-4.6826	-77.843
EEF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UF X .1	SG13B UF X .1	SG13C UF X .1	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1
70/14/57/17	GM +0.0000	+5.5092	+13.493	+10.535	+3.9863	+4.9356	+8.0000
70/15/02/24	GM +50.0000	+24.444	-81.340	+40.638	-50.417	-196.68	-99.619
70/15/04/51	GM +55.0000	+68.293	-30.942	+90.307	-61.410	-216.69	-64.547
70/15/07/59	GM +60.0000	+149.51	+45.842	+178.60	-65.903	-235.12	-70.842
70/15/11/20	GM +65.0000	+249.62	+154.96	+285.47	-69.897	-253.09	-79.621
70/15/16/37	GM +70.0000	+304.48	+45.786	+276.94	-72.893	-269.87	-79.492
70/15/21/19	GM +75.0000	+231.73	-111.33	+47.662	-70.388	-286.95	-83.446
70/15/30/36	GM +0.0000	-24.310	-55.418	-40.799	+1.4975	+1.9312	+8.0000
EEF							

**Figure A2-131C: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-2M—CONDITION 11
(Continued)**

TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SC5 UF X .1	SC105 UF X .1	SC7 UF X .1	SC107 UF X .1	SC8 UF X .1	SC108 UF X .1
11/09/20/31	ON +0.0000						
11/09/25/24	ON +60.000	+5.5073	+5.5073	+0.0257	+0.0247	+0.0247	+0.0000
11/09/28/25	ON +55.000	-11.614	-1.0146	-2.0010	-0.1103	-8.078	-8.078
11/09/31/07	ON +60.000	-12.644	-1.0146	-2.0010	-10.195	-0.0705	-8.078
11/09/35/38	ON +65.000	-13.698	+0.0000	-3.0156	-11.140	-11.101	-8.078
					-12.195	-13.126	-8.078
11/09/41/24	ON +70.000	-14.164	+1.5249	-4.0292	-12.663	-15.140	-8.078
11/09/43/53	ON +75.000	-14.174	+2.0202	-4.0361	-13.678	-17.479	-7.1049
11/09/46/23	ON +80.000	-14.669	+2.5346	-5.0420	-14.693	-22.231	-0.0400
11/09/56/47	ON +85.000	-14.669	+2.0202	-4.0361	-16.216	-26.274	-10.049
11/10/14/34	ON +0.0000	+0.0339	+1.0146	+0.0257	-4.0144	+1.0405	+2.0342
11/11/09/43	ON +80.000	-14.669	+0.0000	-5.0420	-15.201	-23.749	+0.1362
11/11/13/52	ON +85.000	-14.164	+1.5249	-4.0361	-16.216	-27.290	-0.6400
11/11/17/06	ON +88.000	-14.164	+2.0202	-7.5771	-18.246	-29.819	-0.6400
11/11/20/23	ON +0.0000	+5.5757	+5.0448	-5.5498	0.0000	-10.091	-4.0044
ECF							
TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SC9 UF X .1	SC109 UF X .1	SC10 UF X .1	SC110 UF X .1	SC11 UF X .1	SC111 UF X .1
11/09/20/31	ON +0.0000						
11/09/25/24	ON +60.000	+0.0257	+5.5241	+1.5488	+0.0000	+0.0000	+0.0000
11/09/28/25	ON +55.000	-0.0154	-26.329	+4.5703	+2.0273	+10.144	+1.0300
11/09/31/07	ON +60.000	-0.5208	-29.477	+5.0751	+1.0136	+11.182	+1.0547
11/09/35/38	ON +65.000	-0.0154	-33.475	+3.5791	+1.0136	+12.199	+2.0029
		-3.0844	-34.945	+4.0848	+1.0136	+12.787	+2.9717
11/09/41/24	ON +70.000	-0.0037	-36.973	+3.0717	+0.0000	+14.740	+1.9547
11/09/43/53	ON +75.000	+0.5125	-39.000	+2.0544	+0.0000	+16.244	+1.9000
11/09/46/23	ON +80.000	+0.5073	-41.574	+1.0415	-1.0136	+18.204	+4.0000
11/09/56/47	ON +85.000	+0.5108	-45.540	+0.0243	-2.0273	+20.137	+0.6249
11/10/14/34	ON +0.0000	+0.5125	+1.5512	+4.0848	+1.0408	+0.0000	+0.0000
11/11/09/43	ON +80.000	-0.0000	-45.540	+0.5340	-2.0241	+18.007	+4.0000
11/11/13/52	ON +85.000	+1.5415	-48.173	-0.4814	-3.0478	+20.000	+4.0000
11/11/17/06	ON +88.000	+1.5830	-50.140	-1.4946	-4.0446	+22.345	+4.0000
11/11/20/23	ON +0.0000	0.0000	-11.071	0.0000	-0.0000	-4.0724	-72.311
ECF							
TIME IN DAY/MH/MIN/SEC	PER CENT LOAD	SC21 UF X .1	SC22 UF X .1	SC24 UF X .1	D1 INCHES X1000	D3 INCHES X1000	
11/09/20/31	ON +0.0000						
11/09/25/24	ON +60.000	+0.0208	+0.0000	-0.4700	-1.7444	-3.8994	
11/09/28/25	ON +55.000	+0.5598	+2.5347	-3.0019	+2.0500	-5.60.00	
11/09/31/07	ON +60.000	+0.0000	+3.0000	-3.0019	+7.4905	-5.62.40	
11/09/35/38	ON +65.000	+0.0000	+2.5347	-2.5043	+6.5608	-5.58.45	
		+0.0000	+3.0000	-3.5008	+8.4206	+4.38.00	
11/09/41/24	ON +70.000	+0.0735	+3.0300	-3.0019	+10.209	+3.64.40	
11/09/43/53	ON +75.000	+1.0715	+4.0507	-3.5008	+12.149	+3.17.00	
11/09/46/23	ON +80.000	+1.5774	+4.0507	-3.0019	+14.448	+2.65.16	
11/09/56/47	ON +85.000	+0.0025	+4.5571	-3.0019	+15.849	+1.98.07	
11/10/14/34	ON +0.0000	-1.4873	+0.0000	-1.4914	-1.7444	+1204.6	
11/11/09/43	ON +80.000	+0.5774	+4.5571	-3.0019	+17.759	-1093.9	
11/11/13/52	ON +85.000	+0.5774	+5.0000	-3.0019	+16.708	-1144.5	
11/11/17/06	ON +88.000	+0.0025	+5.5608	-3.0019	+19.508	-1177.6	
11/11/20/23	ON +0.0000	+0.0546	+13.671	-0.4750	+502.72	-100.76	
ECF							

Figure A2-132A: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-2M—CONDITION 12
(100 PERCENT LOAD = 32.1 KIPS)

TIME IN DAY/MH/MTN/SEC	PER CENT LOAD	SG12B UF X .1	SG12B UF X .1	N1 KIP/UF X .1	SG12C UF X .1	SG12D UF X .1	R3 KIP/UF X .1
11/09/20/29	GR +0.0000	+0.02734	-1.40607	-18.080	+1.5278	+4.4983	-9.9584
11/09/24/22	GR +50.000	-111.84	-134.44	+71.318	+18.59	+183.45	+187.81
11/09/28/31	GR +55.000	-121.27	-147.85	+67.144	+127.02	+111.00	+114.52
11/09/31/03	GR +60.000	-134.14	-167.05	+66.860	+138.09	+120.01	+112.94
11/09/35/36	GR +65.000	-145.04	-178.36	+62.661	+148.09	+129.04	+115.44
11/09/41/29	GR +70.000	-158.41	-194.75	+61.327	+157.99	+137.06	+113.06
11/09/43/59	GR +75.000	-170.78	-211.15	+59.940	+167.02	+144.09	+100.89
11/09/49/30	GR +80.000	-182.17	-227.44	+56.684	+175.02	+150.01	+107.88
11/09/54/54	GR +85.000	-195.04	-244.92	+52.493	+183.02	+156.03	+108.84
11/10/14/32	GR +0.0000	-1.0794	-1.9873	+2047.0	+4.5278	+2.4996	+10.209
11/11/09/41	GR +80.000	-185.64	-231.52	+56.055	+172.42	+148.00	+107.89
11/11/13/50	GR +85.000	-197.02	-250.40	+51.200	+183.02	+154.02	+95.803
11/11/17/04	GR +88.000	-203.44	-261.02	+48.558	+187.02	+157.03	+96.804
11/11/20/22	GR +0.0000	+2.604	+2.905	+1.0444	-46.244	+5.0170	+21044
ECF							

TIME IN DAY/MH/MTN/SEC	PER CENT LOAD	SG10H UF X .1	SG11H UF X .1	N4 KIP/UF X .1	SG11 UF X .1	SG111 UF X .1	N4 KIP/UF X .1
11/09/20/29	GR +0.0000	+5.0144	+0.0000	-18.987	-5.5839	+5.3390	-0.1670
11/09/24/22	GR +50.000	+5.5117	+1.4060	+80.510	+4.6577	+2.0541	+213.63
11/09/28/31	GR +55.000	+5.0102	+0.9968	+74.57	+10.674	+1.8448	+193.88
11/09/31/03	GR +60.000	+5.0102	+0.4984	+76.84	+12.190	+2.5644	+190.89
11/09/35/36	GR +65.000	+5.0102	-0.4983	+595.01	+12.787	+3.0788	+214.64
11/09/41/22	GR +70.000	+5.0102	-0.9968	+556.78	+14.232	+3.0788	+199.60
11/09/43/59	GR +75.000	+5.5117	-0.9968	+538.91	+15.797	+4.0854	+207.38
11/09/49/30	GR +80.000	+5.0102	-2.4877	+467.76	+17.798	+5.1080	+209.05
11/09/54/54	GR +85.000	+5.0102	-4.4780	+363.64	+19.823	+6.1147	+194.63
11/10/14/32	GR +0.0000	+5.5151	+1.0843	+39.611	+5.5013	+5.1080	+42.644
11/11/09/41	GR +80.000	+5.5117	-1.4060	+367.67	+18.807	+5.6074	+194.83
11/11/13/50	GR +85.000	+5.0102	-4.4780	+364.98	+20.848	+6.6280	+192.29
11/11/17/04	GR +88.000	+5.5093	-5.0787	+334.29	+22.871	+7.1203	+179.90
11/11/20/22	GR +0.0000	+09.338	-41.704	+0.7617	-43.141	-72.998	+1.8991
ECF							

TIME IN DAY/MH/MTN/SEC	PER CENT LOAD	SG12A UF X .1	SG12H UF X .1	SG12C UF X .1	N9 KIP/UF X .1	N13 KIP/UF X .1
11/09/20/29	GR +0.0000	+0.02734	+0.0000	+1.5278	-2017.0	-45.319
11/09/24/22	GR +50.000	-111.84	+8.4787	+18.52	+134.77	+50.254
11/09/28/31	GR +55.000	-121.27	+8.9682	+127.02	+102.09	+90.687
11/09/31/03	GR +60.000	-134.14	+8.9682	+138.09	+87.444	+90.480
11/09/35/36	GR +65.000	-145.04	+9.4672	+148.09	+78.298	+90.810
11/09/41/22	GR +70.000	-158.41	+9.9684	+157.99	+68.881	+90.372
11/09/43/59	GR +75.000	-170.78	+10.463	+167.02	+62.702	+91.110
11/09/49/30	GR +80.000	-182.17	+10.463	+175.02	+57.579	+91.362
11/09/54/54	GR +85.000	-195.04	+10.462	+183.02	+52.492	+91.382
11/10/14/32	GR +0.0000	-1.0794	+5.4889	+4.5278	-21.256	+14.039
11/11/09/41	GR +80.000	-185.64	+9.9688	+172.42	+57.868	+91.229
11/11/13/50	GR +85.000	-197.02	+10.463	+183.02	+52.086	+91.408
11/11/17/04	GR +88.000	-203.44	+11.440	+187.02	+50.515	+91.772
11/11/20/22	GR +0.0000	+2.604	-51.548	-46.244	+1.0732	+7.7388
ECF						

TIME IN DAY/MH/MTN/SEC	PER CENT LOAD	SG12A UF X .1	SG12H UF X .1	SG12D UF X .1	N10 KIP/UF X .1	N14 KIP/UF X .1
11/09/20/29	GR +0.0000	-1.40607	-5.0145	+4.4983	-104.25	-53.634
11/09/24/22	GR +50.000	-134.44	+2.5003	+103.35	+98.013	+48.792
11/09/28/31	GR +55.000	-147.85	+2.5003	+111.88	+86.208	+48.681
11/09/31/03	GR +60.000	-167.05	+2.5003	+120.91	+74.795	+48.498
11/09/35/36	GR +65.000	-178.36	+2.5003	+129.04	+65.727	+48.395
11/09/41/22	GR +70.000	-194.75	+1.5008	+137.96	+57.581	+47.838
11/09/43/59	GR +75.000	-211.15	+1.5016	+144.00	+52.487	+48.835
11/09/49/30	GR +80.000	-227.44	-0.9951	+150.01	+47.037	+48.642
11/09/54/54	GR +85.000	-244.92	-2.4877	+156.03	+42.073	+48.254
11/10/14/32	GR +0.0000	-1.0794	+1.5151	+2.4926	-25.774	+18.120
11/11/09/41	GR +80.000	-231.52	-1.4076	+148.50	+47.088	+48.396
11/11/13/50	GR +85.000	-250.40	-3.4879	+154.52	+42.403	+48.196
11/11/17/04	GR +88.000	-261.02	-4.4780	+157.53	+40.296	+48.291
11/11/20/22	GR +0.0000	+2.905	+28.507	+5.0170	-2.1274	+1.4884
ECF						

Figure A2-132B: TABULATED TRANSDUCER DATA—PANEL 2A-2P-2M—CONDITION 12
(Continued)

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1
11/00/20/32	RR +0.0000	-47110	-44875	-49755	-94444	+82880	+89880
11/00/25/26	RR +50.0000	-55.011	-2.4540	+45.210	-111.24	+19.089	+123.42
11/00/28/24	RR +55.0000	-57.984	-2.4540	+47.731	-121.18	+16.585	+134.62
11/00/31/01	RR +60.0000	-63.440	-2.9551	+53.741	-135.10	+17.084	+147.02
11/00/35/40	RR +65.0000	-66.911	-3.4407	+56.273	-144.03	+16.592	+160.42
11/00/41/26	RR +70.0000	-71.374	-3.9477	+60.202	-154.45	+19.595	+173.62
11/00/43/57	RR +75.0000	-75.836	-4.4473	+64.614	-170.38	+21.602	+186.02
11/00/46/24	RR +80.0000	-79.304	-4.4473	+66.322	-181.31	+21.100	+198.42
11/00/50/51	RR +85.0000	-83.274	-5.4370	+69.639	-191.23	+25.114	+211.02
11/10/14/36	RR +0.0000	-4.0200	-1.4644	-4.0658	-64484	+9.0154	+2.5202
11/11/00/39	RR +80.0000	-75.341	-4.9277	+58.785	-182.30	+23.609	+200.02
11/11/13/47	RR +85.0000	-79.308	-7.4243	+63.810	-191.73	+24.612	+213.62
11/11/16/59	RR +88.0000	-81.797	-7.4243	+65.317	-201.18	+25.616	+226.02
11/11/20/18	RR +0.0000	+7.5131	-9.0006	-1.4996	-23.322	+4.424	+1.0202
ECF							

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1
11/00/20/32	RR +0.0000	+02880	-47070	+09020	-47016	+32244	+46582
11/00/25/26	RR +50.0000	-100.27	-2.4401	+118.20	-114.34	+2.0184	+124.02
11/00/28/24	RR +55.0000	-118.71	-1.9707	+128.71	-124.74	+2.0141	+138.42
11/00/31/01	RR +60.0000	-120.64	-1.4707	+140.73	-136.12	+3.0131	+147.02
11/00/35/40	RR +65.0000	-140.57	-1.9707	+153.25	-147.51	+3.5167	+161.02
11/00/41/26	RR +70.0000	-152.00	-1.9707	+165.27	-150.39	+4.0078	+173.62
11/00/43/57	RR +75.0000	-162.93	-1.9707	+177.78	-170.29	+5.0024	+186.02
11/00/46/24	RR +80.0000	-173.44	-1.9707	+189.80	-181.67	+5.5000	+198.42
11/00/50/51	RR +85.0000	-185.28	+0.0209	+203.32	-194.05	+7.0002	+211.02
11/10/14/36	RR +0.0000	-2.0241	+1.5202	+4.5361	-1.0390	+5.5000	+1.5202
11/11/00/39	RR +80.0000	-174.85	+1.0202	+193.31	-183.16	+7.0002	+200.02
11/11/13/47	RR +85.0000	-184.28	+1.5202	+205.83	-195.04	+8.0038	+213.62
11/11/16/59	RR +88.0000	-192.73	+1.5202	+212.84	-201.97	+9.0085	+226.02
11/11/20/18	RR +0.0000	+11.046	+27.029	+10.558	-29.477	-46.844	+4.0202
ECF							

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1
11/00/20/36	RR +0.0000	+00462	+531+3	+0.0000	+1.0751	+4.0002	+0.0000
11/00/25/19	RR +50.0000	-120.94	+4.5375	+143.56	-107.80	+1.0000	+140.00
11/00/28/29	RR +55.0000	-130.90	+4.0346	+158.86	-115.01	+1.4070	+153.00
11/00/31/06	RR +60.0000	-141.81	+3.0351	+172.81	-125.45	+1.40002	+166.40
11/00/35/42	RR +65.0000	-153.71	+4.0346	+188.23	-131.40	+1.40002	+180.40
11/00/41/18	RR +70.0000	-165.11	+3.5341	+205.25	-141.81	+1.00004	+198.40
11/00/43/52	RR +75.0000	-174.92	+3.5341	+221.20	-148.94	+1.00002	+213.00
11/00/46/26	RR +80.0000	-185.94	+3.5341	+237.48	-151.56	+2.0053	+226.00
11/00/50/56	RR +85.0000	-195.34	+3.5341	+254.70	-157.08	+4.4700	+240.00
11/10/14/28	RR +0.0000	+0.0000	+5.0390	+0.0395	+1.5312	+1.00021	+5.5000
11/11/00/37	RR +80.0000	-184.45	+4.0346	+242.47	-151.55	+1.00004	+230.00
11/11/13/54	RR +85.0000	-195.34	+3.5341	+259.48	-156.07	+4.0755	+245.00
11/11/17/03	RR +88.0000	-200.32	+3.0351	+269.05	-158.00	+5.0707	+254.00
11/11/20/20	RR +0.0000	+00.511	+100.47	+120.70	-5.4062	-41.794	+10.307
ECF							

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1	SR13A UF X .1	SR13B UF X .1	SR13C UF X .1
11/00/20/36	RR +0.0000	+50000	+0.0000	-40707	+0.0000	+0.0000	+0.0000
11/00/25/19	RR +50.0000	-112.50	+4.4073	+118.17	-135.13	+3.0102	+103.05
11/00/28/29	RR +55.0000	-122.50	+4.0074	+124.68	-147.95	+3.0102	+111.37
11/00/31/06	RR +60.0000	-134.50	+0.0004	+137.70	-162.95	+2.0083	+121.01
11/00/35/42	RR +65.0000	-144.50	+0.0004	+147.71	-170.35	+2.0083	+129.04
11/00/41/18	RR +70.0000	-150.00	+0.0004	+157.23	-174.74	+2.0083	+137.06
11/00/43/52	RR +75.0000	-161.50	+10.474	+164.24	-211.15	+2.0083	+146.09
11/00/46/26	RR +80.0000	-171.50	+10.078	+170.75	-224.94	+0.0000	+157.01
11/00/50/56	RR +85.0000	-180.00	+10.078	+172.76	-247.41	+1.0041	+166.03
11/10/14/28	RR +0.0000	+1.5000	+5.4002	+4.0058	-2.0009	+0.0170	+3.0007
11/11/00/37	RR +80.0000	-184.00	+0.0004	+172.25	-232.51	+1.0006	+148.00
11/11/13/54	RR +85.0000	-190.50	+10.078	+181.76	-250.89	+2.0024	+156.03
11/11/17/03	RR +88.0000	-205.00	+11.477	+187.27	-262.32	+4.0088	+167.03
11/11/20/20	RR +0.0000	+3.0000	-11.500	-46.701	+32.046	+20.400	+5.0170
ECF							

Figure A2-132C: TABULATED TRANSDUCER DATA-PANEL 2A-2P-2M-CONDITION 12
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	IPP KIPS	SRPA UF X .1	SR200 UF X .1	SR200 UF X .1
11/09/20/32	CR +0.0000	-44384	+03076	-69521	-67016	+97124	+0.0000	-30097
11/09/25/26	CR +50.000	+03027	+03076	+16.230	+0.0000	-101.06	+1.4940	+100.64
11/09/28/24	CR +55.000	+03027	+51347	+17.651	-63016	-118.02	+1.4940	+118.67
11/09/31/01	CR +60.000	+03027	+51347	+18.962	+0.0000	-171.87	+1.9971	+130.60
11/09/35/40	CR +65.000	+03027	+03076	+20.676	+0.0000	-131.32	+1.9971	+142.20
11/09/41/26	CR +70.000	-44384	+03076	+22.300	+0.0000	-141.27	+2.4912	+153.72
11/09/43/57	CR +75.000	-44384	-45214	+24.003	-67016	-195.22	+3.0043	+165.94
11/09/49/24	CR +80.000	+03027	+03076	+25.516	+0.0000	-161.47	+3.0043	+174.75
11/09/56/51	CR +85.000	+03027	+03076	+27.120	-67016	-175.62	+3.0043	+180.97
11/10/14/36	CR +0.0000	-44384	+03076	+10742	+67016	+03125	+2.4912	+1.0014
11/11/09/39	CR +80.000	+03027	+99608	+25.717	+1.2783	-162.67	+3.0043	+178.94
11/11/13/47	CR +85.000	-44384	+03076	+27.230	+0.0000	-171.41	+4.4775	+190.72
11/11/16/59	CR +80.000	+50439	-45214	+28.339	+0.0000	-170.48	+4.4775	+190.72
11/11/20/18	CR +0.0000	-1.3928	-1.9080	+20800	+1.2783	+5.0312	+12.945	+10.014
ECF								

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR14A UF X .1	SR14B UF X .1	SR14C UF X .1	R7 KIPS/UF
11/09/20/32	CR +0.0000	+02872	+0.0000	+02880	-2047.0
11/09/25/26	CR +50.000	-127.74	-4.0663	+132.00	+258.45
11/09/28/24	CR +55.000	-137.70	-5.4653	+144.92	+242.51
11/09/31/01	CR +60.000	-150.73	-5.4653	+154.50	+228.16
11/09/35/40	CR +65.000	-162.47	-5.4653	+171.41	+217.17
11/09/41/26	CR +70.000	-174.41	-5.4653	+185.46	+204.91
11/09/43/57	CR +75.000	-186.05	-5.4653	+199.20	+197.73
11/09/49/24	CR +80.000	-197.00	-5.4653	+212.29	+188.76
11/09/56/51	CR +85.000	-209.04	-4.4716	+226.29	+181.94
11/10/14/36	CR +0.0000	-1.9049	+5.0002	+5.0048	-4.5483
11/11/09/39	CR +80.000	-195.01	+1.4970	+216.26	+223.23
11/11/13/47	CR +85.000	-204.45	+1.4970	+220.41	+209.15
11/11/16/59	CR +80.000	-213.02	+1.9940	+237.03	+204.71
11/11/20/18	CR +0.0000	*****	*****	*****	-13623
ECF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR18A UF X .1	SR18B UF X .1	SR18C UF X .1	R11 KIPS/UF
11/09/20/32	CR +0.0000	+52872	+02970	+0.0000	+1775.4
11/09/25/26	CR +50.000	-148.74	-19.270	+104.35	+70.161
11/09/28/24	CR +55.000	-161.16	-21.755	+111.37	+67.970
11/09/31/01	CR +60.000	-181.08	-25.221	+120.41	+54.161
11/09/35/40	CR +65.000	-199.49	-26.687	+124.43	+48.353
11/09/41/26	CR +70.000	-210.79	-33.143	+136.46	+42.007
11/09/43/57	CR +75.000	-238.79	-37.104	+144.49	+38.507
11/09/49/24	CR +80.000	-260.49	-41.540	+151.01	+34.631
11/09/56/51	CR +85.000	-283.88	-46.511	+156.93	+31.320
11/10/14/36	CR +0.0000	-3.4571	+3.5100	+3.4026	-16.001
11/11/09/39	CR +80.000	-266.70	-45.025	+144.49	+34.208
11/11/13/47	CR +85.000	-287.00	-48.986	+155.52	+30.811
11/11/16/59	CR +80.000	-299.00	-51.557	+159.94	+29.291
11/11/20/18	CR +0.0000	+5.0176	-1.4555	-25.425	+57.030
ECF					

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SR11A UF X .1	SR11B UF X .1	SR11C UF X .1	R19 KIPS/UF
11/09/20/32	CR +0.0000	+255078	+0.0000	-44798	-2047.0
11/09/25/26	CR +50.000	-150.46	-16.950	+49.030	+48.254
11/09/28/24	CR +55.000	-175.46	-19.442	+100.03	+48.515
11/09/31/01	CR +60.000	-197.06	-22.932	+114.53	+52.095
11/09/35/40	CR +65.000	-213.46	-26.422	+121.03	+46.004
11/09/41/26	CR +70.000	-232.46	-30.900	+131.03	+41.312
11/09/43/57	CR +75.000	-254.46	-34.897	+138.03	+36.012
11/09/49/24	CR +80.000	-274.46	-39.384	+144.93	+33.367
11/09/56/51	CR +85.000	-298.06	-45.864	+149.93	+29.070
11/10/14/36	CR +0.0000	-1.4007	+3.0000	+3.0005	-17.056
11/11/09/39	CR +80.000	-280.46	-42.375	+142.03	+32.776
11/11/13/47	CR +85.000	-302.46	-47.850	+149.03	+29.521
11/11/16/59	CR +80.000	-315.06	-51.647	+152.03	+28.112
11/11/20/18	CR +0.0000	+62.449	+57.500	+71.030	-2.0073
ECF					

Figure A2-132D: TABULATED TRANSDUCER DATA-PANEL 2A-2P-2M-CONDITION 12
(Continued)

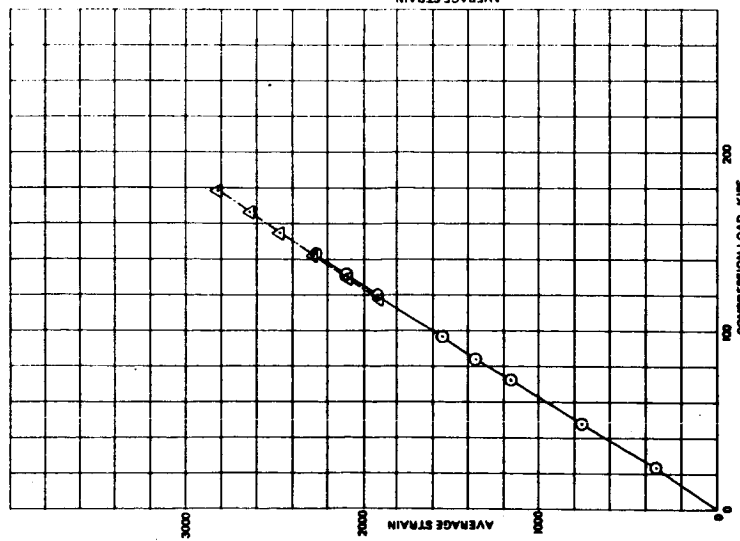


Figure A2-133: AVERAGE STRAIN VS.
COMPRESSION LOAD—PANEL 2A-2P-2M—
CONDITION 1 and 11

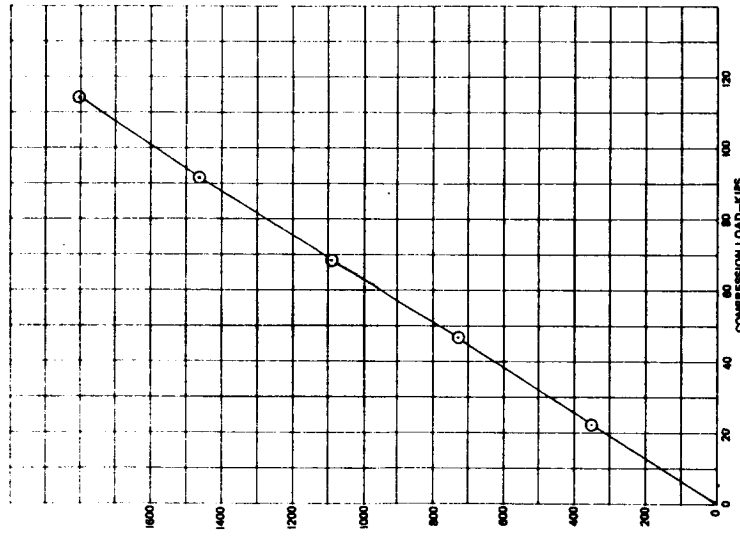


Figure A2-134: AVERAGE STRAIN VS.
COMPRESSION LOAD—PANEL 2A-2P-2M—
CONDITION 3

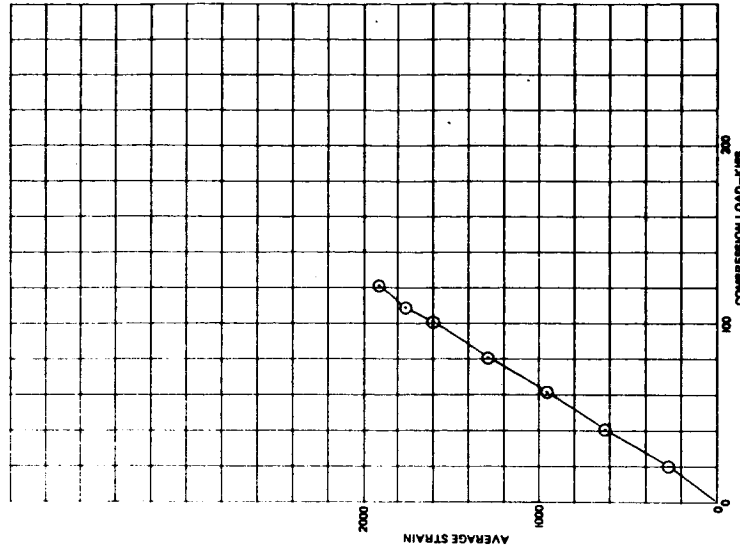


Figure A2-135: AVERAGE STRAIN VS.
COMPRESSION LOAD—PANEL 2A-2P-2M—
CONDITION 4

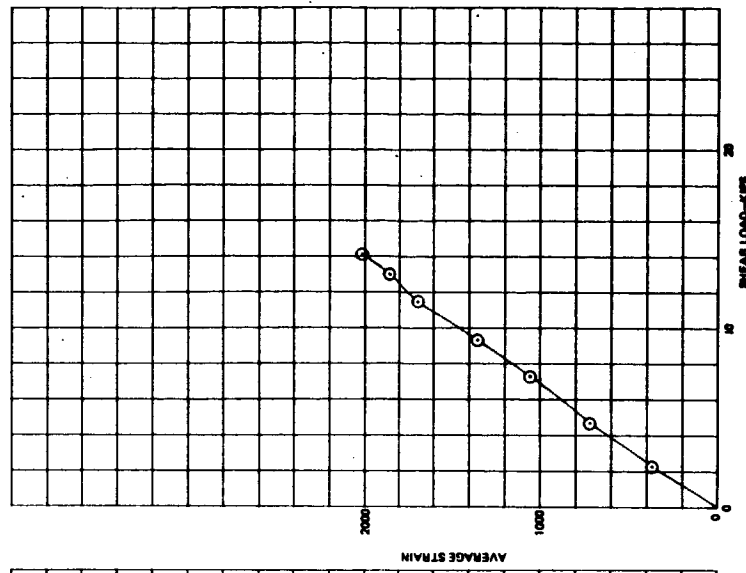


Figure A2-138: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2A-2P-2M-
CONDITION 4

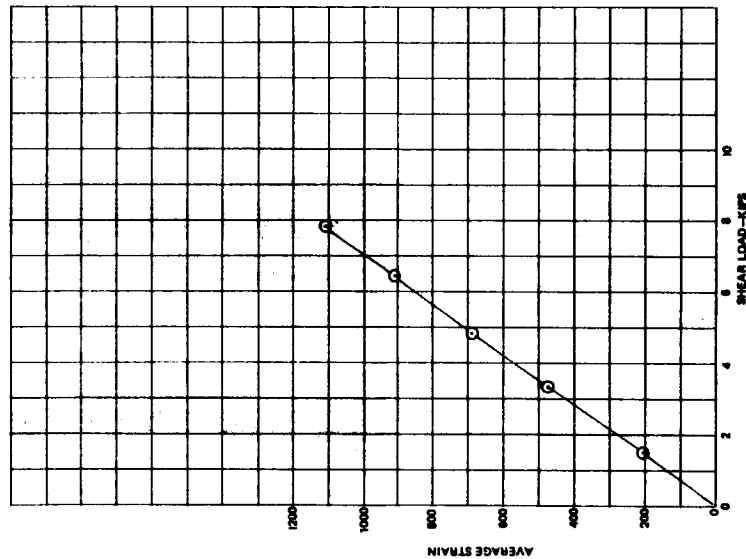


Figure A2-137: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2A-2P-2M-
CONDITION 3

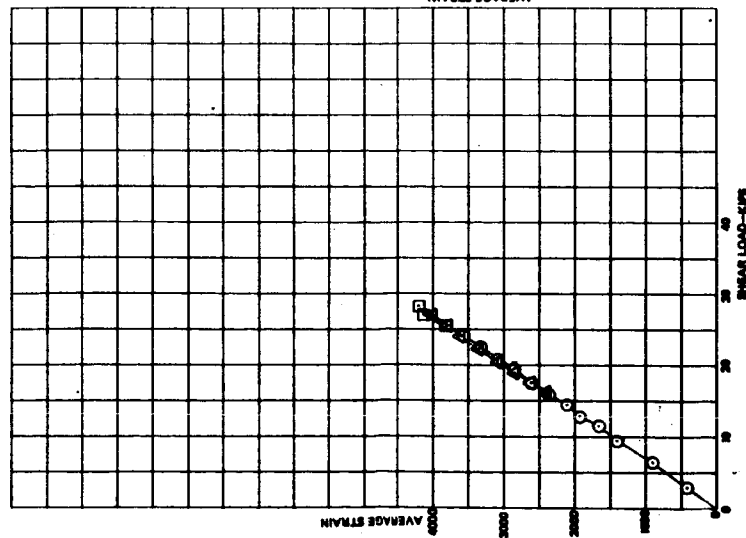
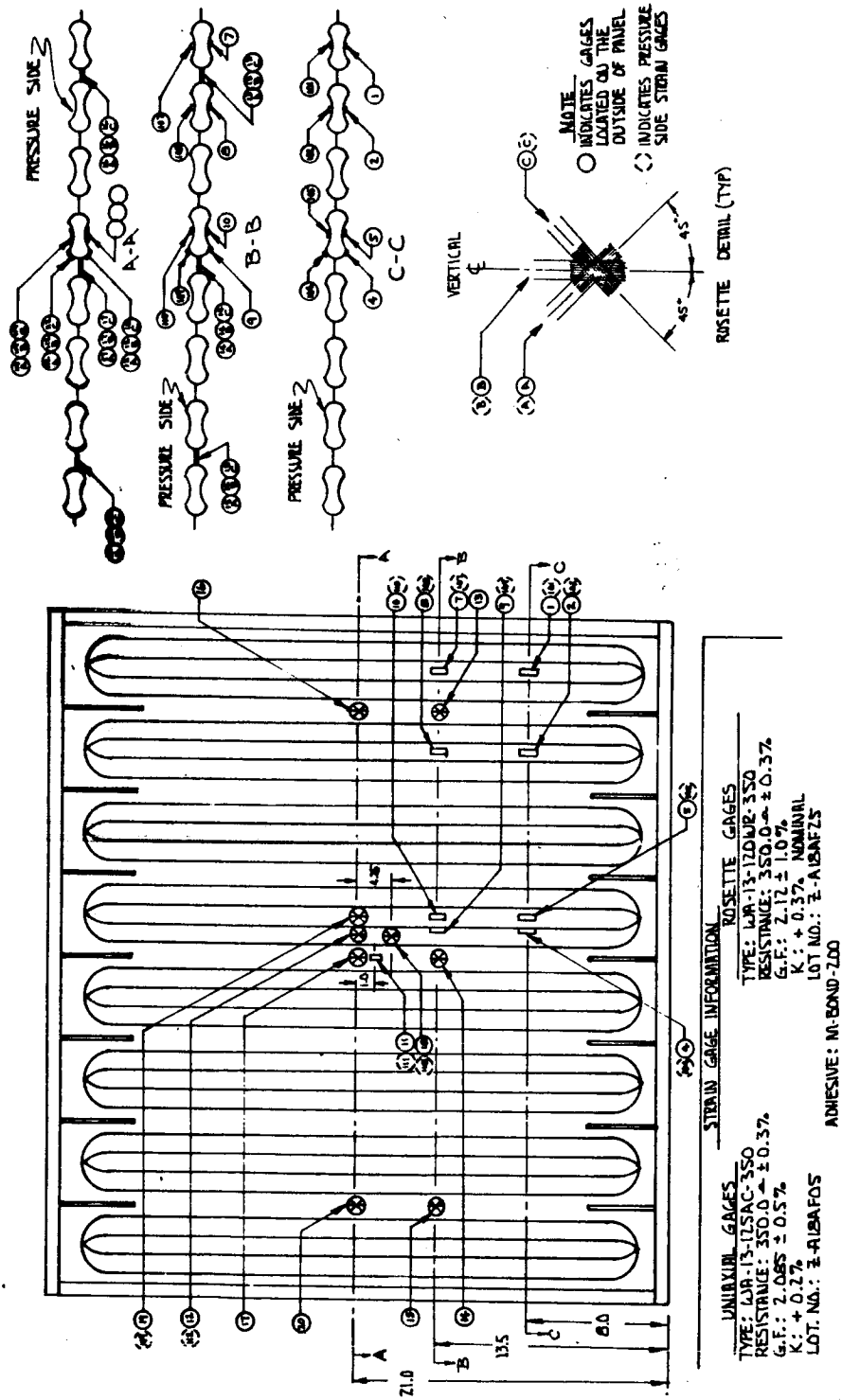


Figure A2-136: AVERAGE STRAIN VS. SHEAR
LOAD-PANEL 2A-2P-2M-
CONDITION 2



TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC5 UF X .1	SC105 UF X .1	SC7 UF X .1	SC107 UF X .1	SC8 UF X .1	SC108 UF X .1
03/13/02/30	00	+1.5576	+1.0781	+2.5440	+1.51171	+4.1104	+5.1240
03/13/30/04	00	-12.084	-29.719	-114.71	-121.93	-135.90	-138.17
03/13/33/30	00	-10.111	-17.706	-140.08	-145.47	-161.02	-164.46
03/13/34/04	00	-46.631	-45.148	-162.92	-169.21	-180.93	-194.44
03/13/42/02	00	-13.657	-54.402	-184.27	-191.46	-214.75	-223.94
03/13/46/33	00	-11.689	-43.407	-200.10	-217.20	-230.09	-250.41
03/13/51/13	00	-46.702	-65.514	-213.17	-221.24	-244.40	-254.07
03/14/03/57	00	+1.0699	+5.6146	+2.5440	+1.51171	+1.0961	+1.0809
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC9 UF X .1	SC100 UF X .1	SC10 UF X .1	SC110 UF X .1	SC11 UF X .1	SC111 UF X .1
03/13/22/30	00	+1.1342	+7.6742	+4.0870	+0.1191	+9.2070	+9.0890
03/13/30/04	00	-178.78	-186.00	-140.00	-144.22	-184.72	-194.07
03/13/33/30	00	-171.64	-223.01	-175.70	-177.96	-220.47	-239.06
03/13/34/04	00	-749.40	-267.43	-203.56	-206.70	-254.71	-270.74
03/13/42/02	00	-700.82	-101.45	-230.33	-237.49	-290.44	-300.12
03/13/46/33	00	-111.11	-342.59	-255.59	-264.40	-323.14	-349.00
03/13/51/13	00	-116.14	-149.15	-250.42	-271.94	-321.49	-343.09
03/14/03/57	00	+7.5517	+1.0844	+5.0732	+0.5092	+0.1070	+5.0090
ECF							

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC21 UF X .1	SC24 UF X .1
03/13/22/30	00	+1.0361	-1.0146
03/13/30/04	00	-158.29	-157.75
03/13/33/30	00	-106.63	-190.41
03/13/34/04	00	-110.01	-222.47
03/13/42/02	00	-749.16	-255.13
03/13/46/33	00	-701.21	-207.10
03/13/51/13	00	-707.30	-293.76
03/14/03/57	00	+1.9691	-2.5203
ECF			

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	D1 INCHES X1000	D3 INCHES X1000
03/13/22/30	00	-4.6645	-26.203
03/13/30/04	00	-4.6645	-74.578
03/13/33/30	00	-4.9330	-70.546
03/13/34/04	00	-4.6640	-70.546
03/13/42/02	00	+11.104	-78.009
03/13/46/33	00	+21.445	-76.503
03/13/51/13	00	+27.002	-60.531
03/14/03/57	00	-7.4678	+0.921
ECF			

Figure A2-140A: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-3M-CONDITION 21
(100 PERCENT LOAD = 238 KIPS)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC11 UF X .1	SG111 UF X .1	R6 KIP/UF		
03/13/22/36	0N +0.0000	+0.1439	+5.4901	+901.85		
03/13/30/03	0N +50.0000	-184.85	-193.06	+1323.0		
03/13/33/45	0N +40.0000	-271.72	-232.95	+1339.8		
03/13/38/02	0N +70.0000	-256.07	-271.95	+1001.8		
03/13/42/09	0N +80.0000	-290.02	-300.44	+1070.0		
03/13/46/40	0N +90.0000	-325.27	-345.50	+1063.3		
03/13/51/11	0N +92.0000	-322.24	-343.48	+1075.1		
03/14/04/04	0N +0.0000	+0.4504	+5.0903	-26.028		
ECF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC12A UF X .1	SG12H UF X .1	SG12C UF X .1	R9 KIP/UF	R13 KIP/UF
03/13/22/36	0N +0.0000	+1.5454	+7.0102	+4.0336	-1.0193	+1.4029
03/13/30/03	0N +50.0000	-65.264	-177.06	-55.507	+374.45	+315.40
03/13/33/45	0N +60.0000	-64.610	-211.44	-66.912	+371.61	+317.02
03/13/38/02	0N +70.0000	-75.379	-243.04	-77.325	+377.10	+315.04
03/13/42/09	0N +80.0000	-94.926	-276.73	-87.737	+381.95	+321.35
03/13/46/40	0N +90.0000	-102.940	-305.05	-96.147	+391.39	+327.02
03/13/51/11	0N +92.0000	-104.980	-320.45	-107.57	+380.73	+318.05
03/14/04/04	0N +0.0000	+1.0620	+3.5048	+1.0202	+146.77	-115.02
ECF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC112A UF X .1	SG1120 UF X .1	SG112C UF X .1	R10 KIP/UF	R14 KIP/UF
03/13/22/36	0N +0.0000	+2.0068	+5.5375	+2.0307	-2.1002	+1.0267
03/13/30/03	0N +50.0000	-75.308	-191.50	-55.201	+340.98	+292.77
03/13/33/45	0N +60.0000	-77.771	-230.50	-66.147	+342.08	+287.27
03/13/38/02	0N +70.0000	-90.234	-269.50	-78.088	+341.27	+285.86
03/13/42/09	0N +80.0000	-102.40	-309.00	-89.532	+342.81	+287.17
03/13/46/40	0N +90.0000	-116.15	-349.50	-101.47	+341.93	+286.11
03/13/51/11	0N +92.0000	-118.65	-363.50	-105.45	+335.64	+281.19
03/14/04/04	0N +0.0000	+2.5083	+2.9341	+2.5230	+1022.9	-310.96
ECF						

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SC1 UF X .1	SG101 UF X .1	SG2 UF X .1	SG102 UF X .1	SG4 UF X .1	SG104 UF X .1
03/13/22/36	0N +0.0000	+2.0420	+1.0479	+3.0069	+2.5786	+5.4485	+4.6147
03/13/30/04	0N +50.0000	-10.729	-28.303	-21.874	-20.003	-105.00	-107.05
03/13/33/39	0N +60.0000	-23.775	-34.879	-29.513	-35.115	-127.19	-130.76
03/13/38/04	0N +70.0000	-38.329	-41.456	-35.624	-42.249	-148.05	-151.87
03/13/42/02	0N +80.0000	-52.880	-49.043	-42.754	-48.865	-170.27	-177.89
03/13/46/33	0N +90.0000	-60.974	-57.117	-49.375	-55.099	-188.91	-202.22
03/13/51/13	0N +92.0000	-60.974	-58.855	-52.430	-58.012	-180.91	-209.96
03/14/03/57	0N +0.0000	+2.0420	+1.0479	+3.0069	+2.5786	+5.4485	+4.6147
ECF							

Figure A2-140B: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 21
(Continued)

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SC14A UF X .1	SC16H UF X .1	SC16C UF X .1	SC17A UF X .1	SC17H UF X .1	SC17C UF X .1
03/13/22/42	GR +0.0000	+7.0029	+4.0488	+3.4775	+7.0102	+10.473	+4.9141
03/13/30/07	GR +50.0000	-41.9891	-170.007	-60.612	-87.097	-195.96	-70.892
03/13/33/39	GR +60.0000	-75.865	-208.14	-74.523	-99.014	-233.40	-84.430
03/13/37/57	GR +70.0000	-49.749	-242.01	-88.932	-114.93	-271.40	-98.341
03/13/42/03	GR +80.0000	-104.62	-280.18	-103.83	-131.85	-312.82	-112.75
03/13/46/35	GR +00.0000	-110.99	-316.04	-120.23	-147.27	-350.75	-126.46
03/13/51/15	GR +02.0000	-122.97	-324.89	-123.21	-144.70	-344.32	-126.16
03/14/03/58	GR +0.0000	+7.5034	+2.5415	+2.4838	+8.5122	+12.099	+4.8141
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SC19A UF X .1	SC19H UF X .1	SC19C UF X .1	SC110A UF X .1	SC110H UF X .1	SC110C UF X .1
03/13/22/41	GR +0.0000	+4.0134	+0.0615	+4.5210	+5.0341	+10.508	+1.9125
03/13/30/09	GR +50.0000	-42.978	-193.87	-56.274	-74.136	-204.30	-77.321
03/13/33/41	GR +60.0000	-78.371	-232.05	-68.165	-89.440	-248.76	-93.188
03/13/37/59	GR +70.0000	-113.77	-269.74	-79.111	-101.98	-292.64	-108.06
03/13/42/05	GR +80.0000	-129.17	-304.43	-90.008	-119.41	-337.80	-122.84
03/13/46/42	GR +90.0000	-143.98	-340.15	-99.014	-134.83	-381.37	-140.99
03/13/51/17	GR +02.0000	-144.57	-347.89	-100.00	-139.31	-391.84	-141.78
03/14/04/00	GR +0.0000	+7.0102	+7.0478	+4.5151	+3.5239	+6.5000	-4.4484
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SC12A UF X .1	SC12H UF X .1	SC12C UF X .1	SC112A UF X .1	SC112H UF X .1	SC112C UF X .1
03/13/22/41	GR +0.0000	+7.0205	+4.0007	+4.0278	+3.0424	+10.083	+2.0278
03/13/30/09	GR +50.0000	-55.798	-178.01	-55.128	-65.152	-187.50	-65.281
03/13/33/41	GR +60.0000	-46.354	-211.73	-66.008	-76.590	-224.88	-66.147
03/13/37/59	GR +70.0000	-75.905	-244.45	-76.988	-88.538	-264.88	-77.501
03/13/42/05	GR +80.0000	-85.456	-275.49	-86.428	-102.46	-305.88	-89.352
03/13/46/42	GR +90.0000	-104.584	-304.04	-105.363	-115.40	-345.88	-101.47
03/13/51/17	GR +02.0000	-107.018	-320.11	-108.28	-115.90	-350.75	-105.45
03/14/04/00	GR +0.0000	+7.5253	+1.0003	+1.9278	+3.0424	+5.0415	+1.0278
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SC12H UF X .1	SC112H UF X .1	R1 KIP/UF	SC12A UF X .1	SC112A UF X .1	R2 KIP/UF
03/13/22/36	GR +0.0000	+7.0102	+5.5375	+1.5581	+1.4454	+2.0040	+4.9731
03/13/30/03	GR +50.0000	-177.56	-191.80	+884.72	-65.266	-65.308	+1281.6
03/13/33/45	GR +60.0000	-211.64	-230.40	+755.77	-44.818	-77.771	+1099.0
03/13/36/02	GR +70.0000	-243.94	-269.80	+648.52	-75.374	-90.274	+1115.4
03/13/42/09	GR +80.0000	-274.23	-309.00	+582.86	-94.926	-107.40	+1074.1
03/13/46/40	GR +90.0000	-305.05	-349.50	+483.90	-120.060	-118.15	+927.40
03/13/51/11	GR +02.0000	-320.45	-363.50	+518.78	-140.980	-118.45	+928.87
03/14/04/04	GR +0.0000	+7.5048	+1.0031	-30.876	+1.0620	+2.5003	-167.07
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SC12C UF X .1	SC112C UF X .1	R3 KIP/UF	SC10H UF X .1	SC110H UF X .1	R4 KIP/UF
03/13/22/36	GR +0.0000	+4.0336	+2.0107	+1.1495	+7.5253	+4.0000	+1.5043
03/13/30/03	GR +50.0000	-55.507	-55.201	+2047.0	-195.04	-209.46	+825.32
03/13/33/45	GR +60.0000	-66.512	-66.147	+2047.0	-233.85	-251.89	+780.86
03/13/36/02	GR +70.0000	-77.325	-78.008	+2047.0	-272.14	-295.41	+708.90
03/13/42/09	GR +80.0000	-17.737	-89.552	+2047.0	-307.94	-340.12	+598.35
03/13/46/40	GR +90.0000	-106.167	-101.47	+2047.0	-422.32	-388.83	+492.12
03/13/51/11	GR +02.0000	-107.57	-105.45	+2047.0	-440.28	-394.48	+486.51
03/14/04/04	GR +0.0000	+1.0202	+1.0209	-183.91	+4.0205	+1.5000	-36.760
ECF							

Figure A2-140C: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-3M-CONDITION 21
(Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LOC1 KIPS	LOC2 KIPS	LPS KIPS	IPP KIPS	SN20A UF X .1	SN20B UF X .1	SN20C UF X .1
03/13/22/42	00	0.0000	0.0000	-0.0047	0.5634	0.0000	0.0000	0.0000
03/13/30/07	50	0.0000	0.0000	0.0000	0.5634	-0.0000	-0.0000	-0.0000
03/13/33/39	60	0.0000	0.0000	0.0000	0.5634	-0.0000	-0.0000	-0.0000
03/13/37/57	70	0.0000	0.0000	0.0000	0.5634	-0.0000	-0.0000	-0.0000
03/13/42/03	80	0.0000	0.0000	0.0000	0.5634	-0.0000	-0.0000	-0.0000
03/13/46/35	90	0.0000	0.0000	0.0000	0.5634	-0.0000	-0.0000	-0.0000
03/13/51/15	92	0.0000	0.0000	0.0000	0.5634	-0.0000	-0.0000	-0.0000
03/14/03/58	00	0.0000	0.0000	0.0000	0.5634	0.0000	0.0000	0.0000
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG14A UF X .1	SG14H UF X .1	SG14C UF X .1	R7 KIPS/UF	R5 KIPS/IN X1000		
03/13/22/42	00	0.0000	0.0000	0.0000	0.0000	0.0000		
03/13/30/07	50	0.0000	0.0000	0.0000	0.0000	0.0000		
03/13/33/39	60	0.0000	0.0000	0.0000	0.0000	0.0000		
03/13/37/57	70	0.0000	0.0000	0.0000	0.0000	0.0000		
03/13/42/03	80	0.0000	0.0000	0.0000	0.0000	0.0000		
03/13/46/35	90	0.0000	0.0000	0.0000	0.0000	0.0000		
03/13/51/15	92	0.0000	0.0000	0.0000	0.0000	0.0000		
03/14/03/58	00	0.0000	0.0000	0.0000	0.0000	0.0000		
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG18A UF X .1	SG18H UF X .1	SG18C UF X .1	R11 KIPS/UF			
03/13/22/42	00	0.0000	0.0000	0.0000	0.0000			
03/13/30/07	50	0.0000	0.0000	0.0000	0.0000			
03/13/33/39	60	0.0000	0.0000	0.0000	0.0000			
03/13/37/57	70	0.0000	0.0000	0.0000	0.0000			
03/13/42/03	80	0.0000	0.0000	0.0000	0.0000			
03/13/46/35	90	0.0000	0.0000	0.0000	0.0000			
03/13/51/15	92	0.0000	0.0000	0.0000	0.0000			
03/14/03/58	00	0.0000	0.0000	0.0000	0.0000			
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG18A UF X .1	SG18H UF X .1	SG18C UF X .1	R12 KIPS/UF			
03/13/22/42	00	0.0000	0.0000	0.0000	0.0000			
03/13/30/07	50	0.0000	0.0000	0.0000	0.0000			
03/13/33/39	60	0.0000	0.0000	0.0000	0.0000			
03/13/37/57	70	0.0000	0.0000	0.0000	0.0000			
03/13/42/03	80	0.0000	0.0000	0.0000	0.0000			
03/13/46/35	90	0.0000	0.0000	0.0000	0.0000			
03/13/51/15	92	0.0000	0.0000	0.0000	0.0000			
03/14/03/58	00	0.0000	0.0000	0.0000	0.0000			
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG13A UF X .1	SG13H UF X .1	SG13C UF X .1	SG13A UF X .1	SG13H UF X .1	SG13C UF X .1	
03/13/22/42	00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/13/30/07	50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/13/33/39	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/13/37/57	70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/13/42/03	80	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/13/46/35	90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/13/51/15	92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
03/14/03/58	00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
ECF								

Figure A2-140D: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 21 (Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC1 UF X .1	SG112 UF X .1	SG112C UF X .1	R10 KIP/UF	R14 KIP/UF
R3/12/11/43	RR +0.0000	+1.5048	+1.0048	-1.4648	+111.07	-42.000
R3/12/15/32	RR +10.0000	-72.932	+3.0205	+24.543	-1277.2	+46.660
R3/12/19/43	RR +20.0000	-77.850	+4.0410	+50.101	+864.19	+46.719
R3/12/23/20	RR +30.0000	-72.786	+4.5511	+76.130	+264.93	+46.684
R3/12/26/50	RR +40.0000	-78.211	+10.571	+107.17	+141.89	+46.689
R3/12/30/58	RR +50.0000	-122.63	+13.008	+127.71	+96.481	+46.649
R3/12/33/37	RR +60.0000	-145.57	+15.102	+152.25	+71.089	+46.167
R3/12/41/49	RR +70.0000	-170.00	+17.619	+177.28	+55.780	+45.084
R3/13/01/16	RR +75.0000	-181.94	+19.179	+198.30	+50.116	+46.144
R3/13/06/01	RR +80.0000	-193.41	+20.640	+207.82	+45.480	+46.250
R3/13/09/55	RR +85.0000	-204.40	+21.846	+214.84	+41.440	+46.251
R3/13/16/38	RR +90.0000	-216.86	+22.883	+227.36	+38.270	+46.749
R3/13/19/54	RR +0.0000	+1.0107	+5.5375	+1.0292	+10.002	-8.2265
ECF						

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC1 UF X .1	SG101 UF X .1	SG2 UF X .1	SG102 UF X .1	SG4 UF X .1	SG104 UF X .1
R3/12/11/40	RR +0.0000	+1.5322	+1.0479	+1.0483	+2.5786	+41.111	+1.0741
R3/12/15/34	RR +10.0000	-51074	+1.5517	+5.53417	+1.0434	+1.0305	-1.5205
R3/12/19/36	RR +20.0000	-51074	+2.5608	-4.8437	+0.2400	-1.98876	-2.9341
R3/12/23/15	RR +30.0000	-1.0214	+3.5878	-2.8122	-1.5020	-3.5220	-0.8820
R3/12/26/52	RR +40.0000	-2.0234	+4.6009	-3.0035	-2.0122	-6.5630	-0.1210
R3/12/30/00	RR +50.0000	-7.0351	+4.1313	-9.9345	-3.0307	-8.9011	-0.4208
R3/12/33/39	RR +60.0000	-7.5292	+8.6742	-9.9345	-3.0307	-11.129	-14.101
R3/12/41/50	RR +70.0000	-7.5292	+11.712	-4.8437	-4.0493	-14.166	-16.218
R3/13/01/09	RR +75.0000	-1.5175	+11.203	-4.8437	-3.5400	-14.673	-18.752
R3/13/05/54	RR +80.0000	-2.0234	+13.748	+0.2440	-4.0493	-16.780	-19.746
R3/13/09/57	RR +85.0000	-1.0214	+13.748	+1.0483	-3.0307	-18.221	-22.340
R3/13/16/39	RR +90.0000	-2.0234	+14.277	+5.53417	-4.0493	-21.262	-24.350
R3/13/19/55	RR +0.0000	+1.0644	+1.0429	+3.4060	+2.9786	+9.4435	+4.1015
ECF							

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC5 UF X .1	SG105 UF X .1	SG7 UF X .1	SG107 UF X .1	SG8 UF X .1	SG108 UF X .1
R3/12/11/40	RR +0.0000	+5.5013	+1.5814	+2.0361	+5.1191	+1.4610	+2.4741
R3/12/15/34	RR +10.0000	-1.5069	+2.5648	-1.5220	-3.0307	+0.2587	+1.0488
R3/12/19/36	RR +20.0000	-1.4864	+1.0419	-2.9300	-4.0410	-1.48583	+1.9541
R3/12/23/15	RR +30.0000	-4.4902	-0.9171	-3.5532	-4.0410	-2.9372	+5.5063
R3/12/26/52	RR +40.0000	-4.0908	-2.0005	-3.5532	-5.0512	-2.0905	+1.9541
R3/12/30/00	RR +50.0000	-0.9944	-1.5019	-4.5683	-6.0415	-4.0078	+0.2587
R3/12/33/39	RR +60.0000	-2.0034	-4.0070	-5.9834	-6.5460	-5.0161	+1.9541
R3/12/41/50	RR +70.0000	+0.0000	-2.5111	-6.5986	-6.5460	-6.0244	+2.0609
R3/13/01/09	RR +75.0000	-1.0009	-1.5019	-7.6137	-6.5460	-6.0244	+2.4741
R3/13/05/54	RR +80.0000	-1.5114	-2.5141	-6.5986	-7.5771	-6.5281	+2.5741
R3/13/09/57	RR +85.0000	-11.012	-4.5122	-6.5986	-7.5771	-7.0327	+2.9741
R3/13/16/39	RR +90.0000	-11.214	-6.0244	-7.1050	-7.5771	-7.0327	+2.9741
R3/13/19/55	RR +0.0000	+1.5574	+3.5814	+2.5440	-5.1171	+3.0001	+1.5941
ECF							

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC9 UF X .1	SG109 UF X .1	SG10 UF X .1	SG110 UF X .1	SG11 UF X .1	SG111 UF X .1
R3/12/11/40	RR +0.0000	+1.0361	+1.5515	+2.8205	+5.0732	+3.0869	+2.8205
R3/12/15/34	RR +10.0000	+1.0566	+2.0644	+3.0439	+5.5005	+4.1049	+2.0205
R3/12/19/36	RR +20.0000	+0.6294	+5.1244	+5.0732	+6.0870	+7.1669	+4.0644
R3/12/23/15	RR +30.0000	+0.6794	+7.1645	+6.0878	+7.1025	+8.4907	+6.0906
R3/12/26/52	RR +40.0000	+0.206	+8.4907	+8.6245	+9.1310	+10.227	+8.6079
R3/12/30/00	RR +50.0000	+12.242	+10.776	+9.6391	+10.693	+11.247	+7.1142
R3/12/33/39	RR +60.0000	+14.278	+11.246	+10.146	+10.693	+11.756	+7.1142
R3/12/41/50	RR +70.0000	+17.331	+12.776	+11.668	+13.190	+14.307	+8.1308
R3/13/01/09	RR +75.0000	+18.351	+13.206	+13.697	+15.219	+14.816	+9.1404
R3/13/05/54	RR +80.0000	+18.868	+14.306	+15.210	+15.219	+15.836	+9.4577
R3/13/09/57	RR +85.0000	+0.896	+15.326	+15.210	+16.741	+16.347	+9.4577
R3/13/16/39	RR +90.0000	+2.932	+16.346	+17.249	+18.263	+18.387	+10.166
R3/13/19/55	RR +0.0000	+1.162	+7.1645	+6.0878	+7.0008	+8.4907	+7.1142
ECF							

Figure A2-141A: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 12
(100 PERCENT LOAD = 32.1 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SQ12H UF X .1	SQ112H UF X .1	R1 KIP/UF	SQ12C UF X .1	SQ112C UF X .1	R3 KIP/UF
03/12/11/43	00	+7.0040	+1.0048	-20.106	-440.24	-1.4648	-20.186
03/12/15/32	00	+10.000	+3.0205	+205.33	+74.062	+24.543	+622.41
03/12/19/43	00	+70.000	+6.0410	+251.83	+48.598	+50.101	+428.46
03/12/23/20	00	+30.000	+8.5501	+193.08	+73.035	+76.119	+389.66
03/12/26/50	00	+40.000	+7.5048	+183.61	+09.673	+102.17	+518.21
03/12/29/58	00	+50.000	+7.5048	+168.97	+123.78	+127.71	+404.21
03/12/33/37	00	+60.000	+7.5048	+166.52	+146.74	+152.25	+350.60
03/12/41/49	00	+70.000	+5.0073	+177.84	+171.77	+177.28	+407.21
03/13/01/16	00	+75.000	+5.0073	+178.93	+184.79	+190.10	+438.25
03/13/06/01	00	+80.000	+7.0087	+200.640	+196.81	+202.02	+428.50
03/13/09/55	00	+85.000	+6.0087	+21.646	+174.30	+200.33	+404.86
03/13/16/38	00	+90.000	+7.0102	+22.653	+184.46	+222.35	+582.94
03/13/19/54	00	+0.0000	+7.0102	+5.5375	-6.8305	+7.5112	-6.6972
ECF							
TIME IN DAY/MR/MIN/SEC	LOAD CENT LOAD	SQ12A UF X .1	SQ112A UF X .1	R2 KIP/UF	SQ11 UF X .1	SQ111 UF X .1	R6 KIP/UF
03/12/11/43	00	+7.5571	+1.5048	-19.118	+7.5774	+2.0205	-12.919
03/12/15/32	00	+10.000	-1.095	-22.412	+168.80	+7.0703	+208.50
03/12/19/43	00	+20.000	-3.7864	-47.889	+154.90	+4.6215	+252.51
03/12/23/20	00	+30.000	-6.829	-72.786	+163.80	+7.1435	+310.55
03/12/26/50	00	+40.000	-01.963	-98.211	+207.69	+7.6655	+425.66
03/12/29/58	00	+50.000	-115.50	-122.63	+220.72	+10.680	+455.70
03/12/33/37	00	+60.000	-137.78	-145.87	+245.58	+7.202	+422.88
03/12/41/49	00	+78.000	-161.33	-170.00	+258.83	+13.216	+491.52
03/13/01/16	00	+75.000	-172.89	-181.06	+268.19	+15.751	+340.00
03/13/06/01	00	+80.000	-184.45	-193.43	+286.95	+16.768	+390.89
03/13/09/55	00	+85.000	-195.51	-204.89	+298.57	+16.768	+674.30
03/13/16/38	00	+90.000	-207.58	-216.06	+314.28	+18.290	+383.78
03/13/19/54	00	+0.0000	+7.0629	+7.0102	-198.74	+0.1435	-3.0536
ECF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SQ12H UF X .1	SQ112H UF X .1	R4 KIP/UF	R5 KIPS/IN X1000		
03/12/11/43	00	+7.0102	+1.0048	-10.007	-355.12		
03/12/15/32	00	+10.000	+5.5185	+1.5048	+77.593		
03/12/19/43	00	+20.000	+7.5288	+3.5048	+128.01		
03/12/23/20	00	+30.000	+11.530	+4.5048	+138.60		
03/12/26/50	00	+40.000	+14.549	+5.0048	+135.87		
03/12/29/58	00	+50.000	+16.054	+6.0048	+161.06		
03/12/33/37	00	+60.000	+18.061	+6.0048	+160.11		
03/12/41/49	00	+70.000	+20.068	+7.0048	+171.64		
03/13/01/16	00	+75.000	+21.573	+7.5048	+171.53		
03/13/06/01	00	+80.000	+22.576	+7.5048	+178.79		
03/13/09/55	00	+85.000	+23.580	+9.0048	+186.95		
03/13/16/38	00	+90.000	+24.583	+9.5048	+193.38		
03/13/19/54	00	+0.0000	+7.5253	+6.5048	-9.8095		
ECF							
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SQ12A UF X .1	SQ12H UF X .1	SQ12C UF X .1	R9 KIP/UF	R13 KIP/UF	
03/12/11/43	00	+7.4571	+2.0079	-448.24	+55.791	-33.297	
03/12/15/32	00	+10.000	-11.085	+1.5019	-24.062	-2047.0	+49.255
03/12/19/43	00	+20.000	-3.706	+1.5048	+48.598	+678.61	+49.719
03/12/23/20	00	+30.000	-6.829	+3.5048	+73.035	+251.30	+49.566
03/12/26/50	00	+40.000	-01.963	+3.5048	+99.673	+141.31	+48.333
03/12/29/58	00	+50.000	-115.50	+3.5048	+123.70	+98.338	+48.315
03/12/33/37	00	+60.000	-137.78	+3.5048	+146.74	+75.116	+48.475
03/12/41/49	00	+70.000	-161.33	+5.0073	+171.77	+50.731	+48.073
03/13/01/16	00	+75.000	-172.89	+5.0073	+184.79	+52.698	+48.184
03/13/06/01	00	+80.000	-184.45	+6.0087	+196.81	+47.041	+48.215
03/13/09/55	00	+85.000	-195.51	+6.0087	+200.33	+43.560	+48.069
03/13/16/38	00	+90.000	-207.58	+7.0102	+222.35	+40.112	+48.436
03/13/19/54	00	+0.0000	+7.0629	+7.0102	+2.5312	+7.9433	-6.6640
ECF							

Figure A2-141B: TABULATED TRANSDUCER DATA—PANEL 2A-2P-3M—CONDITION 12
(Continued)

TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG13A UF X .1	SG13B UF X .1	SG13C UF X .1	SG13A UF X .1	SG13B UF X .1	SG13C UF X .1
03/12/11/44	RR +0.0000	+7.0293	+4.0136	+0.0000	+3.5219	+4.4012	-1.4051
03/12/15/27	RR +10.0000	-18.444	-1.0014	+20.500	-15.843	+7.4053	+21.500
03/12/19/37	RR +20.0000	-12.409	-1.5015	+43.000	-35.795	+10.978	+43.500
03/12/23/23	RR +30.0000	-5.875	-1.4040	+45.500	-55.607	+13.077	+45.500
03/12/26/54	RR +40.0000	-9.840	-4.4956	+49.000	-75.600	+16.467	+49.000
03/12/30/02	RR +50.0000	-13.350	-5.9012	+111.50	-96.497	+10.962	+110.50
03/12/33/43	RR +60.0000	-13.77	-6.7007	+133.00	-115.90	+20.956	+133.00
03/12/41/53	RR +70.0000	-15.74	-7.9002	+154.50	-134.70	+23.454	+154.50
03/12/01/14	RR +75.0000	-16.77	-8.9000	+167.50	-144.75	+24.951	+167.50
03/12/05/55	RR +80.0000	-18.020	-9.4003	+179.00	-157.69	+26.448	+179.00
03/12/10/00	RR +85.0000	-19.710	-9.4003	+191.00	-167.64	+28.444	+190.50
03/12/16/41	RR +90.0000	-20.67	-9.9003	+202.00	-174.99	+29.442	+202.00
03/12/19/49	RR +0.0000	+7.0293	+4.0136	+3.5000	+4.5200	+9.0002	+1.5000
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1
03/12/11/44	RR +0.0000	+7.0293	+1.5346	-1.40787	+4.0050	+9.0070	+7.0293
03/12/15/27	RR +10.0000	-17.354	+1.0209	+18.902	-18.409	+7.4002	+24.445
03/12/19/37	RR +20.0000	-17.604	+1.0209	+39.921	-40.302	+9.0795	+47.005
03/12/23/23	RR +30.0000	-18.510	+0.2909	+60.800	-62.104	+12.462	+72.201
03/12/26/54	RR +40.0000	-19.835	+0.2909	+82.330	-85.500	+12.462	+95.701
03/12/30/02	RR +50.0000	-100.40	-1.40777	+103.20	-107.07	+13.457	+100.40
03/12/33/43	RR +60.0000	-120.40	-1.4044	+122.70	-120.36	+15.943	+140.40
03/12/41/53	RR +70.0000	-140.40	-1.4014	+141.71	-152.79	+17.435	+164.46
03/12/01/14	RR +75.0000	-151.23	-1.9500	+154.10	-162.70	+18.430	+175.42
03/12/05/55	RR +80.0000	-161.10	-1.9500	+164.67	-171.15	+19.424	+184.40
03/12/10/00	RR +85.0000	-171.50	-1.9500	+175.15	-180.09	+20.419	+190.44
03/12/16/41	RR +90.0000	-181.40	-2.4500	+180.13	-194.54	+21.414	+200.41
03/12/19/49	RR +0.0000	+7.0293	+4.0136	+2.4000	+7.0102	+9.0795	+7.0195
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1	SG15A UF X .1	SG15B UF X .1	SG15C UF X .1
03/12/11/44	RR +0.0000	+7.0293	+4.0273	+1.0034	+4.0273	+9.0000	-1.4300
03/12/15/27	RR +10.0000	-21.303	+5.5375	+25.500	-22.807	+9.0000	+23.400
03/12/19/37	RR +20.0000	-15.211	+10.571	+52.177	-49.290	+7.0000	+41.701
03/12/23/23	RR +30.0000	-9.555	+12.505	+77.263	-76.176	+8.0000	+60.000
03/12/26/54	RR +40.0000	-4.304	+15.605	+103.35	-104.40	+9.0000	+107.00
03/12/30/04	RR +50.0000	-10.23	+17.116	+120.93	-132.84	+9.5000	+130.20
03/12/33/36	RR +60.0000	-14.50	+18.676	+152.51	-150.71	+10.000	+161.10
03/12/41/55	RR +70.0000	-16.41	+21.143	+177.00	-180.07	+10.500	+180.01
03/12/01/14	RR +75.0000	-17.85	+21.646	+190.14	-190.00	+11.500	+201.40
03/12/05/57	RR +80.0000	-19.024	+24.144	+202.60	-214.43	+11.500	+214.07
03/12/09/52	RR +85.0000	-20.220	+24.647	+215.23	-230.36	+13.000	+220.70
03/12/16/44	RR +90.0000	-21.13	+25.170	+227.77	-245.79	+14.000	+240.22
03/12/19/51	RR +0.0000	+7.0293	+4.0136	+4.5101	+4.0410	+10.500	+0.5070
ECF							
TIME IN DAY/HR/MIN/SEC	PFR CENT LOAD	SG16A UF X .1	SG16B UF X .1	SG16C UF X .1	SG16A UF X .1	SG16B UF X .1	SG16C UF X .1
03/12/11/44	RR +0.0000	+7.0293	+1.5019	+0.02734	+2.5000	+9.4000	-1.06720
03/12/15/29	RR +10.0000	-21.615	+0.0000	+24.027	-22.362	+7.0000	+24.027
03/12/19/39	RR +20.0000	-14.700	+1.0003	+49.527	-47.730	+10.500	+40.027
03/12/23/10	RR +30.0000	-17.802	+3.0003	+73.527	-71.021	+13.107	+75.527
03/12/26/56	RR +40.0000	-21.901	+2.5004	+99.027	-96.001	+15.620	+101.02
03/12/30/04	RR +50.0000	-15.61	+3.0003	+124.02	-121.37	+17.645	+127.02
03/12/33/36	RR +60.0000	-13.021	+3.0003	+147.52	-144.76	+19.197	+150.02
03/12/41/55	RR +70.0000	-10.000	+4.0000	+172.02	-169.64	+22.102	+177.02
03/12/01/10	RR +75.0000	-17.42	+4.5003	+183.52	-180.00	+23.694	+180.02
03/12/05/57	RR +80.0000	-18.40	+5.0003	+197.02	-192.92	+25.207	+200.02
03/12/09/52	RR +85.0000	-19.004	+6.0007	+210.02	-203.47	+26.215	+214.02
03/12/16/44	RR +90.0000	-20.11	+7.0102	+223.02	-215.01	+27.720	+227.02
03/12/19/51	RR +0.0000	+7.0293	+4.0136	+3.0270	+4.0473	+9.4706	+1.0270
ECF							

Figure A2-141C: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 12 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	IPP KIPS	SG20A UF X .1	SG20B UF X .1	SG20C UF X .1
03/12/11/44	00	+0.0000	-44.0000	-1.0531	+1.2017	+2.4034	+3.9117	+0.0199
03/12/15/27	00	+10.0000	+0.0000	+0.0000	+1.2017	-19.371	+1.0102	+18.003
03/12/19/37	00	+20.0000	-47.110	+0.0000	+1.0000	-32.704	+2.9003	+30.604
03/12/23/23	00	+30.0000	-47.110	-92.675	+0.0000	-9.576	+2.0000	+95.219
03/12/26/54	00	+40.0000	+0.0000	+0.0000	+1.0000	-67.931	+1.9000	+74.706
03/12/30/02	00	+50.0000	+0.0000	+0.0000	+1.0000	-86.773	+1.9000	+94.353
03/12/33/43	00	+60.0000	+0.0000	+0.0000	+1.0000	-104.12	+1.0000	+112.01
03/12/41/53	00	+70.0000	+0.0000	-44.0000	+1.0000	-122.47	+1.9000	+130.00
03/13/01/14	00	+75.0000	+47.110	-44.0000	+1.0000	-130.90	+1.9000	+143.00
03/13/05/55	00	+80.0000	+0.0000	-44.0000	+1.0000	-140.32	+2.0000	+153.00
03/13/10/00	00	+85.0000	+0.0000	+0.0000	+1.0000	-140.32	+2.0000	+163.00
03/13/16/41	00	+90.0000	+0.0000	+0.0000	+1.0000	-150.47	+2.0000	+173.00
03/13/19/49	00	+0.0000	+47.110	+0.0000	+1.0000	-150.47	+2.0000	+183.00
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG14A UF X .1	SG14B UF X .1	SG14C UF X .1	R7 KIPS/UF	D1 INCHES X1000	D3 INCHES X1000	
03/12/11/44	00	+1.5405	+4.5430	+1.5208	+14.394	-4.6645	+30.970	
03/12/15/27	00	-21.346	+5.0450	+26.490	+224.70	-7.4690	-221.71	
03/12/19/37	00	-45.249	+6.5507	+33.428	+900.07	-9.3310	-447.46	
03/12/23/23	00	-69.112	+8.0561	+79.000	+1103.9	+2.7903	-620.05	
03/12/26/54	00	-94.000	+9.0505	+105.92	+1207.9	+7.4690	-737.71	
03/12/30/02	00	-118.00	+9.0505	+131.92	+1404.83	+12.196	-860.67	
03/12/33/43	00	-142.07	+9.0505	+155.92	+1601.68	+16.701	-981.00	
03/12/41/53	00	-167.15	+10.062	+180.02	+1800.65	+18.067	-1070.2	
03/13/01/14	00	-190.00	+11.066	+195.92	+2000.00	+23.391	-1170.2	
03/13/05/55	00	-190.00	+11.066	+200.00	+2331.93	+25.107	-1181.1	
03/13/10/00	00	-201.40	+12.571	+221.92	+2507.80	+27.905	-1215.4	
03/13/16/41	00	-213.02	+13.574	+234.92	+2684.75	+33.503	-1300.1	
03/13/19/49	00	+7.9541	+11.066	+5.0000	+5.0000	-0.2190	+22.045	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG18A UF X .1	SG18B UF X .1	SG18C UF X .1	R11 KIPS/UF	SG21 UF X .1	SG24 UF X .1	
03/12/11/44	00	+2.0000	+1.0017	-4.4000	+100.00	+2.5000	-1.0000	
03/12/15/27	00	-10.000	+4.0000	+20.000	+200.00	+2.5000	-1.0000	
03/12/19/37	00	-40.000	+8.0000	+10.000	+100.00	+2.5000	-1.0000	
03/12/23/23	00	-60.000	+12.000	+20.000	+200.00	+2.5000	-1.0000	
03/12/26/54	00	-80.000	+15.000	+10.000	+100.00	+2.5000	-1.0000	
03/12/30/02	00	-100.00	+17.000	+10.000	+100.00	+2.5000	-1.0000	
03/12/33/43	00	-120.00	+20.000	+10.000	+100.00	+2.5000	-1.0000	
03/12/41/53	00	-150.00	+24.000	+10.000	+100.00	+2.5000	-1.0000	
03/13/01/14	00	-160.00	+26.000	+10.000	+100.00	+2.5000	-1.0000	
03/13/05/55	00	-171.00	+28.000	+10.000	+100.00	+2.5000	-1.0000	
03/13/10/00	00	-180.00	+30.000	+10.000	+100.00	+2.5000	-1.0000	
03/13/16/41	00	-190.00	+32.000	+10.000	+100.00	+2.5000	-1.0000	
03/13/19/49	00	+5.0000	+4.0000	+3.0000	+10.000	+1.0000	-1.0000	
ECF								
TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG11A UF X .1	SG11B UF X .1	SG11C UF X .1	R12 KIPS/UF			
03/12/11/44	00	+2.0000	+1.0000	-4.4000	+100.00			
03/12/15/27	00	-10.000	+4.0000	+20.000	+200.00			
03/12/19/37	00	-40.000	+8.0000	+10.000	+100.00			
03/12/23/23	00	-60.000	+12.000	+20.000	+200.00			
03/12/26/54	00	-80.000	+15.000	+10.000	+100.00			
03/12/30/02	00	-100.00	+17.000	+10.000	+100.00			
03/12/33/43	00	-120.00	+20.000	+10.000	+100.00			
03/12/41/53	00	-150.00	+24.000	+10.000	+100.00			
03/13/01/14	00	-160.00	+26.000	+10.000	+100.00			
03/13/05/55	00	-171.00	+28.000	+10.000	+100.00			
03/13/10/00	00	-180.00	+30.000	+10.000	+100.00			
03/13/16/41	00	-190.00	+32.000	+10.000	+100.00			
03/13/19/49	00	+5.0000	+4.0000	+3.0000	+10.000			
ECF								

Figure A2-141D: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 12 (Continued)

TIME IN DAY/HH/MM/SS.C	PER CENT LOAD	SC1 UF X .1	SC101 UF X .1	SC2 UF X .1	SC102 UF X .1	SC4 UF X .1	SC104 UF X .1
03/08/37/01	CR +0.0000	-51074	+53349	+53417	+53417	+53417	-51249
03/08/46/03	CR +0.0000	+51074	+9.6702	+9.7475	+4.1108	+55.189	-42.847
03/08/50/45	CR +10.0000	-5.5996	+6.1343	+1.0483	-1.5029	+37.309	-85.685
03/08/56/23	CR +20.0000	+3.654	+3.0701	-9.1420	-6.5097	+19.433	-118.09
03/08/00/11	CR +30.0000	-17.709	-2.0112	-14.234	-11.608	+3.4089	-138.96
03/08/04/42	CR +40.0000	-27.257	-4.5203	-18.309	-17.709	-12.139	-169.73
03/08/13/10	CR +50.0000	-25.798	-10.002	-23.401	-23.011	-25.023	-194.42
03/08/16/55	CR +55.0000	-27.822	-12.672	-25.438	-27.085	-33.426	-207.80
03/08/20/55	CR +60.0000	-30.857	-16.143	-29.948	-31.041	-40.015	-223.41
03/08/24/58	CR +65.0000	-32.375	-17.174	-29.003	-33.078	-46.807	-238.91
03/08/29/30	CR +70.0000	-34.394	-20.299	-31.041	-37.152	-52.170	-254.03
03/08/35/20	CR +75.0000	-37.433	-22.719	-33.587	-39.189	-54.206	-269.43
03/08/39/52	CR +80.0000	-39.662	-24.742	-34.605	-41.735	-58.768	-295.43
03/08/55/33	CR +85.0000	-40.648	-26.706	-37.152	-44.282	-53.609	-312.71
03/10/02/43	CR +90.0000	-41.0214	-29.6942	-38.7241	-47.172	-56.717	-329.209
03/10/03/56 ECF	CR +0.0000	+1.0214	+1.5517	-1.48437	+2.5786	+2.7791	+5.51249

TIME IN DAY/HH/MM/SS.C	PER CENT LOAD	SC5 UF X .1	SC105 UF X .1	SC7 UF X .1	SC107 UF X .1	SC8 UF X .1	SC108 UF X .1
03/08/37/01	CR +0.0000	-90602	+02519	-50927	-51171	-48583	-48388
03/08/46/03	CR +0.0000	+0.7080	+3.5844	+9.6713	-15.153	+48.127	-44.425
03/08/50/45	CR +10.0000	-0.0239	-2.5141	-1.1704	-40.410	+25.100	-70.601
03/08/56/23	CR +20.0000	-0.5039	-9.0403	-36.037	-61.625	+0.2587	-07.463
03/08/00/11	CR +30.0000	-15.527	-15.009	-55.832	-84.861	-26.644	-126.25
03/08/04/42	CR +40.0000	-19.541	-21.643	-76.643	-107.99	-43.835	-159.84
03/08/13/10	CR +50.0000	-26.663	-28.741	-98.976	-130.82	-66.018	-183.84
03/08/16/55	CR +55.0000	-27.569	-32.240	-100.12	-142.44	-76.101	-197.06
03/08/20/55	CR +60.0000	-30.579	-37.746	-120.29	-154.56	-86.184	-212.12
03/08/24/58	CR +65.0000	-33.087	-41.314	-129.93	-164.67	-95.763	-226.62
03/08/29/30	CR +70.0000	-36.099	-44.319	-141.10	-174.28	-105.84	-239.40
03/08/35/20	CR +75.0000	-38.104	-48.373	-148.71	-186.89	-114.41	-253.44
03/08/39/52	CR +80.0000	-40.111	-50.804	-150.88	-198.51	-121.47	-268.17
03/08/55/33	CR +85.0000	-40.111	-51.107	-171.55	-208.61	-130.04	-278.80
03/10/02/43	CR +90.0000	+7.4865	+8.1502	+10.180	-16.669	+40.679	-41.304
03/10/03/56 ECF	CR +0.0000	-1.5068	+6.1200	+0.0000	-1.0234	-0.90755	+1.0408

TIME IN DAY/HH/MM/SS.C	PER CENT LOAD	SC9 UF X .1	SC109 UF X .1	SC10 UF X .1	SC110 UF X .1	SC11 UF X .1	SC111 UF X .1
03/08/37/01	CR +0.0000	+02587	-08202	+1.0102	-50732	+02676	-1.0102
03/08/46/03	CR +0.0000	+0.453	-44.671	+53.240	-48.082	-1.47705	-50557
03/08/50/45	CR +10.0000	+57.546	-118.44	+29.424	-75.672	-31.185	-11.347
03/08/56/23	CR +20.0000	+72.099	-157.06	+5.0732	-105.07	-63.484	-45.141
03/08/00/11	CR +30.0000	+7.6016	-196.49	-16.689	-134.12	-96.126	-97.904
03/08/04/42	CR +40.0000	-15.632	-238.02	-37.884	-165.86	-120.35	-131.83
03/08/13/10	CR +50.0000	-16.143	-279.77	-50.100	-194.61	-164.08	-186.49
03/08/16/55	CR +55.0000	-19.434	-300.44	-60.202	-210.73	-178.18	-189.85
03/08/20/55	CR +60.0000	-24.022	-322.12	-77.284	-225.85	-192.79	-197.50
03/08/24/58	CR +65.0000	-21.599	-344.01	-85.366	-239.97	-208.38	-213.16
03/08/29/30	CR +70.0000	-19.176	-366.09	-94.459	-254.89	-221.40	-227.81
03/08/35/20	CR +75.0000	-24.732	-391.49	-100.01	-268.20	-230.00	-243.07
03/08/39/52	CR +80.0000	-27.763	-417.01	-104.57	-280.30	-252.68	-256.09
03/08/55/33	CR +85.0000	-21.196	-446.14	-105.57	-297.39	-262.75	-265.49
03/10/02/43	CR +90.0000	+02.480	-42.664	+43.776	-42.853	+1.5566	+1.0102
03/10/03/56 ECF	CR +0.0000	+2.0451	-47.802	+50.488	+5.0732	+1.5566	+0.0000

Figure A2-142A: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 10
(100 PERCENT LOAD = 206 KIPS)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC11 UF X .1	SR111 UF X .1	R4 KIP/UF	R1 INCHES X1000	R5 KIPS/IN X1000
A3/08/37/04	NR +0.0000	+50484	-50517	-45.004	+0.05957	-70.475
A3/08/44/22	T +0.0000	+0.0000	+0.02616	+114.81	+0.0000	+2047.9
A3/08/46/10	NR +0.0000	-50517	+0.0448	-17.275	+0.0000	+2047.9
A3/08/50/43	NR +10.000	-09.297	-29.270	+2047.0	+12.012	+15.816
A3/08/56/22	NR +20.000	-42.635	-44.679	+2001.7	+08.646	+13.914
A3/08/00/00	NR +30.000	-05.974	-07.948	+2047.0	+41.585	+14.674
A3/08/04/41	NR +40.000	-124.18	-131.10	+2047.0	+7.209	+14.197
A3/08/13/08	NR +50.000	-61.64	-164.44	+2047.0	+5.773	+13.519
A3/08/16/54	NR +55.000	-176.70	-181.11	+2047.0	+9.634	+12.610
A3/08/20/54	NR +60.000	-192.45	-196.07	+2047.0	+7.951	+12.606
A3/08/24/56	NR +65.000	-207.48	-211.42	+2047.0	+11.81	+11.975
A3/08/29/35	NR +70.000	-222.76	-226.77	+2047.0	+125.67	+11.408
A3/08/35/19	NR +75.000	-237.91	-241.42	+2047.0	+147.10	+10.912
A3/08/39/59	NR +80.000	-252.56	-256.06	+2047.0	+161.54	+10.075
A3/08/45/31	NR +85.000	-267.17	-264.15	+2047.0	+07.20	+9.0922
A3/10/02/47	NR +0.0000	+7.0430	+3.0571	-2047.0	+4.6201	-1.9402
A3/10/04/01	NR +0.0000	+7.0205	+7.0448	-2047.0	-131.71	-1.10603
EOF						
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC12A UF X .1	SR12H UF X .1	SR12C UF X .1	R9 KIP/UF	R13 KIP/UF
A3/08/37/04	NR +0.0000	+50585	+0.0000	+0.02734	-2047.0	-470.47
A3/08/44/22	T +0.0000	+0.0000	+0.0000	+0.0000	+2047.9	+2047.9
A3/08/46/10	NR +0.0000	+0.0000	-50007	+0.0000	-488.46	-400.95
A3/08/50/43	NR +10.000	-17.785	-25.076	+1.9019	+421.14	+314.09
A3/08/56/22	NR +20.000	-16.696	-51.575	+3.9048	+424.93	+320.92
A3/08/00/00	NR +30.000	-14.298	-76.111	+0.0087	+437.30	+330.10
A3/08/04/41	NR +40.000	-11.844	-98.888	+0.0131	+444.30	+337.15
A3/08/13/08	NR +50.000	-08.976	-121.72	+12.017	+451.04	+345.90
A3/08/16/54	NR +55.000	-06.011	-130.16	+14.020	+459.10	+353.75
A3/08/20/54	NR +60.000	-104.05	-130.40	+16.023	+462.97	+358.85
A3/08/24/56	NR +65.000	-112.09	-147.40	+19.027	+464.60	+364.92
A3/08/29/35	NR +70.000	-110.83	-159.00	+22.032	+474.70	+372.10
A3/08/35/19	NR +75.000	-124.17	-159.48	+25.537	+488.41	+384.93
A3/08/39/59	NR +80.000	-132.20	-163.45	+30.043	+494.43	+391.72
A3/08/45/31	NR +85.000	-138.71	-158.48	+38.556	+525.19	+416.09
A3/10/02/47	NR +0.0000	-1.0117	+50048	+1.0014	+1019.6	-304.69
A3/10/04/01	NR +0.0000	-20.374	-47.670	-30.247	-0.8440	-7.4179
EOF						
TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SC112A UF X .1	SR112D UF X .1	SR112C UF X .1	R14 KIP/UF	R18 KIP/UF
A3/08/37/04	NR +0.0000	+0.02781	+0.0000	+59530	-653.85	-2047.0
A3/08/44/22	T +0.0000	+0.0000	+0.0000	+0.0000	+2047.9	+2047.9
A3/08/46/10	NR +0.0000	+40851	+50000	+0.0000	-343.92	+480.41
A3/08/50/43	NR +10.000	-22.935	-35.000	-49755	+233.25	+301.19
A3/08/56/22	NR +20.000	-47.850	-75.500	-49755	+227.99	+291.44
A3/08/00/00	NR +30.000	-72.287	-116.00	-49755	+225.26	+285.29
A3/08/04/41	NR +40.000	-06.715	-157.00	-1.4976	+221.14	+278.79
A3/08/13/08	NR +50.000	-122.14	-200.00	-1.9902	+221.65	+272.51
A3/08/16/54	NR +55.000	-134.10	-221.00	-2.4877	+221.31	+260.72
A3/08/20/54	NR +60.000	-146.56	-242.00	-3.9804	+221.13	+267.08
A3/08/24/56	NR +65.000	-159.03	-264.00	-3.4829	+219.10	+261.89
A3/08/29/35	NR +70.000	-171.49	-285.00	-3.9804	+219.46	+250.85
A3/08/35/19	NR +75.000	-184.45	-300.00	-4.0755	+218.89	+250.83
A3/08/39/59	NR +80.000	-197.92	-331.00	-5.4731	+216.50	+250.50
A3/08/45/31	NR +85.000	-203.90	-346.00	-5.9707	+219.82	+252.44
A3/10/02/47	NR +0.0000	+7.4976	+7.5000	+90511	-56.599	+68.830
A3/10/04/01	NR +0.0000	+11.105	+100.00	+26.370	-6.4436	+7.7855
EOF						

Figure A2-142B: TABULATED TRANSDUCER DATA—PANEL 2A-2-P3M—CONDITION 10 (Continued)

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG10A UF X .1	SG10H UF X .1	SG10C UF X .1	SG110A UF X .1	SG110H UF X .1	SG110C UF X .1
03/08/37/04	RM +0.0000	+5014A	-40A^4	+0.0000	+50141	+000707	+52065
03/08/44/12	RM +0.0000	+7.503	+73.409	+10.004	-33.116	-71.290	-13.100
03/08/50/49	RM +10.0000	+1.5149	+46.414	+20.049	-58.214	-100.44	-15.146
03/08/56/19	RM +20.0000	-18.382	+17.116	+22.075	-80.475	-150.94	-19.677
03/09/00/15	RM +30.0000	-43.234	-11.4^4	+24.082	-114.43	-197.03	-40.009
03/09/04/47	RM +40.0000	-63.097	-37.604	+25.586	-142.70	-237.80	-48.044
03/09/13/05	RM +50.0000	-04.460	-63.444	+28.005	-171.45	-284.14	-53.094
03/09/17/00	RM +55.0000	-04.894	-74.873	+29.090	-185.98	-304.59	-56.000
03/09/21/01	RM +60.0000	-101.83	-86.773	+31.105	-200.01	-320.03	-57.983
03/09/25/02	RM +65.0000	-114.78	-96.104	+33.112	-215.04	-334.04	-60.442
03/09/29/33	RM +70.0000	-124.70	-107.10	+35.114	-230.76	-348.39	-62.446
03/09/35/16	RM +75.0000	-131.64	-115.03	+37.027	-246.29	-364.31	-64.443
03/09/39/55	RM +80.0000	-141.03	-121.07	+41.140	-263.20	-381.71	-70.339
03/09/45/37	RM +85.0000	-148.57	-117.02	+50.672	-274.15	-404.84	-70.330
03/10/02/52	RM +0.0000	+78.597	+77.002	+20.060	-31.446	-64.311	-14.678
03/10/03/59 ECF	RM +0.0000	+5014A	+1.4073	+5014A	+1.5182	+4.0000	-1.4309

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12A UF X .1	SG12H UF X .1	SG12C UF X .1	SG112A UF X .1	SG112H UF X .1	SG112C UF X .1
03/08/37/04	RM +0.0000	+5048A	+0.0000	+52441	+02734	+50000	+52534
03/08/44/12	RM +0.0000	+08.791	+80.178	+31.027	-20.428	-09.500	-20.840
03/08/50/49	RM +10.0000	+10.607	+63.002	+32.027	-50.723	-130.00	-20.840
03/08/56/19	RM +20.0000	-0.0420	+10.052	+14.027	-70.596	-170.50	-20.840
03/09/00/15	RM +30.0000	-05.637	+12.017	+30.027	-101.47	-211.00	-27.337
03/09/04/47	RM +40.0000	-03.230	-11.900	+39.527	-125.85	-252.50	-28.333
03/09/13/05	RM +50.0000	-09.810	-32.706	+43.027	-151.23	-284.00	-28.840
03/09/17/00	RM +55.0000	-07.350	-42.843	+44.527	-163.17	-314.50	-29.338
03/09/21/01	RM +60.0000	-05.002	-51.072	+48.027	-175.61	-330.00	-30.333
03/09/25/02	RM +65.0000	-03.445	-59.908	+50.027	-184.04	-360.00	-31.338
03/09/29/33	RM +70.0000	-00.984	-67.415	+52.027	-200.48	-381.50	-31.338
03/09/35/16	RM +75.0000	-07.227	-72.404	+56.027	-212.43	-404.50	-31.335
03/09/39/55	RM +80.0000	-104.05	-75.149	+60.527	-224.86	-427.50	-32.333
03/09/45/37	RM +85.0000	-108.07	-70.400	+68.527	-233.82	-442.50	-33.338
03/10/02/52	RM +0.0000	+27.781	+88.178	+31.527	-26.343	-47.500	-25.843

TIME IN DAY/HR/MIN/SEC	PER CENT LOAD	SG12B UF X .1	SG112B UF X .1	H1 KIP/UF	H2 KIP/UF	H3 KIP/UF	H4 KIP/UF
03/08/37/04	RM +0.0000	+0.0000	+0.0000	+2047.0	-05.301	-01.470	-1400.9
03/08/44/22	RM +0.0000	+0.0000	+0.0000	+2047.0	+2047.0	+2047.0	+2047.0
03/08/46/10	RM +0.0000	-50097	+50000	-44.048	-80.442	+2047.0	-43.941
03/08/50/43	RM +10.0000	-25.036	-35.000	+198.04	+363.92	+951.45	+170.42
03/08/56/22	RM +20.0000	-61.574	-75.500	+166.85	+357.58	+097.34	+170.02
03/09/00/09	RM +30.0000	-76.111	-116.00	+150.56	+337.88	+044.64	+153.47
03/09/04/41	RM +40.0000	-08.864	-157.00	+138.53	+327.11	+771.15	+144.40
03/09/13/08	RM +50.0000	-121.72	-200.00	+120.41	+300.33	+732.38	+135.32
03/09/16/54	RM +55.0000	-130.16	-221.00	+123.76	+206.74	+684.73	+130.33
03/09/20/54	RM +60.0000	-139.00	-242.00	+120.01	+200.46	+617.30	+125.83
03/09/24/56	RM +65.0000	-147.04	-264.00	+113.43	+204.34	+592.84	+118.50
03/09/29/35	RM +70.0000	-155.00	-285.00	+110.64	+278.41	+555.03	+114.65
03/09/35/19	RM +75.0000	-159.44	-308.00	+104.21	+266.44	+508.95	+107.62
03/09/39/59	RM +80.0000	-161.45	-331.00	+98.085	+268.63	+463.98	+100.38
03/09/45/31	RM +85.0000	-158.48	-346.00	+92.056	+260.18	+392.50	+91.265
03/10/02/42	RM +0.0000	+50044	+7.5000	-13.135	-26.236	-2047.0	-20.631
03/10/04/01 ECF	RM +0.0000	-07.628	+100.48	-74267	-2.3525	-2.4692	-9472A

Figure A2-142C: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-3M-CONDITION 10 (Continued)

TIME IN DAY/MR/MIN/SEC	PFR CENT LRAD	SR11A UF X .1	SR11H UF X .1	SR13C UF X .1	SR15A UF X .1	SR15H UF X .1	SR19C UF X .1
03/00/37/06	RR +0.0000	-4.7110	-5.0105	+0.90707	+1.0268	+4.0002	-4.0511
03/00/46/05	RR +0.0000	+1.5293	+0.0000	+12.0000	+13.0003	+2.0041	+1.5000
03/00/50/47	RR +10.0000	-6.447	-13.471	+10.5000	-9.6023	-22.157	-9.0003
03/00/56/17	RR +20.0000	-8.415	-65.404	+11.5000	-17.0003	-62.663	-1.4600
03/00/00/12	RR +30.0000	-0.0000	-08.305	+12.5000	-35.207	-03.404	-4.0511
03/00/04/45	RR +40.0000	-3.340	-137.00	+12.0000	-52.712	-113.77	-4.4305
03/00/13/03	RR +50.0000	-106.31	-167.75	+13.0000	-70.126	-144.57	-7.0218
03/00/16/50	RR +55.0000	-117.20	-183.73	+13.0000	-70.007	-150.00	-7.0218
03/00/20/57	RR +60.0000	-120.20	-201.70	+13.0000	-07.541	-174.30	-0.0000
03/00/25/00	RR +65.0000	-141.76	-210.10	+13.5000	-06.005	-180.70	-0.4072
03/00/29/36	RR +70.0000	-157.74	-235.15	+13.5000	-104.09	-200.10	-0.0000
03/00/35/24	RR +75.0000	-165.72	-252.13	+13.5000	-111.01	-220.00	-10.307
03/00/30/53	RR +80.0000	-177.21	-267.10	+12.0000	-127.37	-230.40	-10.0000
03/00/35/35	RR +85.0000	-191.10	-285.00	+11.5000	-130.02	-250.00	-10.0000
03/10/02/40	RR +0.0000	+1.5293	+0.0000	+12.0000	+14.001	+6.0003	+1.5000
03/10/04/04 ECF	RR +0.0000	+1.5293	+1.0004	+4.0083	+2.5716	+2.0041	+1.0000

TIME IN DAY/MR/MIN/SEC	PFR CENT LRAD	SR11A UF X .1	SR11H UF X .1	SR11A UF X .1	SR11H UF X .1	SR11A UF X .1	SR11H UF X .1	SR11A UF X .1	SR11H UF X .1
03/00/37/06	RR +0.0000		+4.0002	+4.0075	-4.7203	+4.0000	+0.0000	+0.0000	+0.0000
03/00/46/05	RR +0.0000		-27.0000	-00.0000	-20.7000	+1.0000	+5.3100	+1.0000	+1.0000
03/00/50/47	RR +10.0000		-49.407	-123.00	-29.700	+05.105	-14.700	-20.300	-20.300
03/00/56/17	RR +20.0000		-72.000	-163.10	-30.772	+137.00	-2.070	-54.000	-54.000
03/00/00/12	RR +30.0000		-96.007	-203.50	-32.700	+160.00	-70.300	-01.400	-01.400
03/00/04/45	RR +40.0000		-121.07	-244.70	-35.200	+100.00	-105.10	-100.70	-100.70
03/00/13/03	RR +50.0000		-147.70	-287.00	-38.772	+190.00	-137.00	-140.00	-140.00
03/00/16/50	RR +55.0000		-150.70	-307.00	-41.200	+100.00	-144.00	-150.00	-150.00
03/00/20/57	RR +60.0000		-173.70	-320.00	-43.100	+200.00	-157.00	-160.00	-160.00
03/00/25/00	RR +65.0000		-185.70	-351.27	-45.077	+200.00	-171.00	-181.00	-181.00
03/00/29/36	RR +70.0000		-199.70	-373.10	-48.100	+200.00	-184.10	-190.00	-190.00
03/00/35/24	RR +75.0000		-213.10	-397.00	-52.000	+200.00	-190.00	-200.00	-200.00
03/00/30/53	RR +80.0000		-227.10	-421.00	-57.000	+200.00	-211.00	-223.00	-223.00
03/00/35/35	RR +85.0000		-240.10	-444.00	-60.000	+200.00	-225.00	-230.00	-230.00
03/10/02/40	RR +0.0000		-26.000	-06.575	-30.275	+1.0000	+0.5000	-1.5000	-1.5000
03/10/04/04 ECF	RR +0.0000		+0.0000	+1.0000	-1.0000	+1.0000	+0.0000	-1.0000	-1.0000

TIME IN DAY/MR/MIN/SEC	PFR CENT LRAD	SR11A UF X .1	SR11H UF X .1	SR11A UF X .1	SR11H UF X .1	SR11A UF X .1	SR11H UF X .1	SR11A UF X .1	SR11H UF X .1
03/00/37/06	RR +0.0000		-4.0000	+4.0000	+0.0000	+0.0000	+1.0000	+1.0000	+1.0000
03/00/46/05	RR +0.0000		+7.0000	-9.0000	+5.0000	+5.0000	+4.0000	+4.0000	+4.0000
03/00/50/47	RR +10.0000		-10.0000	-11.2000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/56/17	RR +20.0000		-10.2000	-11.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/00/12	RR +30.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/04/45	RR +40.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/13/03	RR +50.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/16/50	RR +55.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/20/57	RR +60.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/25/00	RR +65.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/29/36	RR +70.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/35/24	RR +75.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/30/53	RR +80.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/00/35/35	RR +85.0000		-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000	-10.0000
03/10/02/40	RR +0.0000		+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000	+0.0000
03/10/04/04 ECF	RR +0.0000		+1.0000	+0.0000	+1.5000	+2.0000	+2.0000	+2.0000	+2.0000

Figure A2-142D: TABULATED TRANSDUCER DATA—PANEL 2A-2-P-3M—CONDITION 10 (Continued)

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	LPC1 KIPS	LPC2 KIPS	LPS KIPS	IPP KIPS	SR2A UF	SR2B UF	SR2C UF
03/00/37/06	GR +0.0000	+0.0000	-44.424	+0.0034	-94.873	+50.048	+50.146	-44.630
03/00/46/05	GR +0.0000	+0.0000	+0.0000	+0.0034	+190.05	+4.0002	+4.0141	+7.0577
03/00/50/47	GR +10.0000	+0.0000	+0.1200	+1.3168	+190.05	-7.0335	+21.448	+0.0454
03/00/56/17	GR +20.0000	+0.261	+20.107	+2.7285	+190.31	-23.305	-0.925	+1.0351
03/00/00/12	GR +30.0000	+0.627	+0.605	+4.3417	+201.23	-40.164	-78.844	-0.6386
03/00/04/45	GR +40.0000	+0.991	+41.102	+5.4528	+190.05	-57.022	+107.04	-2.4949
03/00/13/03	GR +50.0000	+1.351	+51.231	+7.1650	+190.05	-72.304	+137.09	-4.4467
03/00/16/58	GR +55.0000	+7.014	+56.016	+7.8710	+190.05	-80.821	+151.07	-5.4418
03/00/20/57	GR +60.0000	+2.197	+61.708	+8.5766	+190.05	-89.252	+165.75	-5.0304
03/00/25/00	GR +65.0000	+6.900	+67.002	+9.6849	+200.49	-97.682	+170.73	-6.4370
03/00/29/36	GR +70.0000	+7.002	+71.007	+10.000	+198.02	-104.11	+194.21	-7.4327
03/00/35/24	GR +75.0000	+8.684	+77.071	+10.000	+190.31	-114.54	+208.40	-7.4327
03/00/39/53	GR +80.0000	+2.454	+82.354	+11.601	+190.31	-127.47	+222.67	-7.0206
03/00/45/35	GR +85.0000	+7.641	+87.408	+12.408	+190.05	-137.40	+236.15	-7.2096
03/10/02/48	GR +0.0000	+4.7110	-44.424	-0.0472	+190.31	+2.107	+8.8273	+0.0639
03/10/04/04 EEF	GR +0.0000	+0.0000	-44.424	-1.0531	+1.2817	+1.0043	+4.0146	+1.0366

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SR14A UF	SR14B UF	SR14C UF	R7 KIPS/UF	D1 INCHES	D3 INCHES
03/00/37/06	GR +0.0000	-47.314	+525.39	+1.0248	+285.15	+932.41	-2.0156
03/00/46/05	GR +0.0000	+5.5473	+0.2832	+5.0248	-357.71	+134.73	-6.0468
03/00/50/47	GR +10.0000	-14.400	-33.258	+4.0248	+190.46	+144.59	-11.400
03/00/56/17	GR +20.0000	-18.781	-71.017	+5.0248	+188.60	+150.51	-161.25
03/00/00/12	GR +30.0000	-0.673	-108.27	+4.0248	+187.23	+171.44	-197.93
03/00/04/45	GR +40.0000	-83.043	-145.54	+4.0248	+184.23	+180.17	-204.28
03/00/13/03	GR +50.0000	-105.45	-182.80	+4.0248	+180.37	+206.16	-228.48
03/00/16/58	GR +55.0000	-115.00	-190.69	+4.0248	+180.82	+222.02	-264.82
03/00/20/57	GR +60.0000	-126.04	-216.58	+4.0248	+187.58	+233.71	-417.23
03/00/25/00	GR +65.0000	-138.79	-235.46	+4.0248	+184.10	+242.54	-435.37
03/00/29/36	GR +70.0000	-150.03	-252.85	+4.0248	+184.86	+257.46	-465.60
03/00/35/24	GR +75.0000	-160.48	-271.73	+4.0248	+184.00	+276.12	-491.81
03/00/39/53	GR +80.0000	-172.22	-280.12	+4.0248	+185.47	+297.58	-532.12
03/00/45/35	GR +85.0000	-183.07	-303.53	+4.0248	+187.41	+323.70	-513.98
03/10/02/48	GR +0.0000	+7.4541	+2.0356	+4.0248	-3.7691	+134.73	+51.482
03/10/04/04 EEF	GR +0.0000	+1.5346	+1.5100	+1.5248	+08.527	+0.0000	+13.326

TIME IN DAY/MR/MIN/SEC	PER CENT LOAD	SR18A UF	SR18B UF	SR18C UF	R11 KIPS/UF
03/00/37/06	GR +0.0000	+500.48	+1.0317	+520.29	+241.12
03/00/46/05	GR +0.0000	+25.006	+4.153	+27.790	-10070
03/00/50/47	GR +10.0000	+8.5122	+41.110	+31.287	-172.84
03/00/56/17	GR +20.0000	-7.4546	+36.093	+35.120	-628.84
03/00/00/12	GR +30.0000	-26.370	+33.549	+39.898	-2047.0
03/00/04/45	GR +40.0000	-42.202	-7.3969	+43.801	+2047.9
03/00/13/03	GR +50.0000	-58.711	-24.677	+49.041	+1502.5
03/00/16/58	GR +55.0000	-66.175	-37.104	+52.461	+1387.0
03/00/20/57	GR +60.0000	-73.141	-48.016	+55.486	+1220.4
03/00/25/00	GR +65.0000	-80.604	-52.452	+59.570	+1120.0
03/00/29/36	GR +70.0000	-88.445	-59.879	+62.544	+1041.7
03/00/35/24	GR +75.0000	-94.576	-63.840	+67.082	+1024.5
03/00/39/53	GR +80.0000	-101.00	-68.811	+72.124	+094.53
03/00/45/35	GR +85.0000	-105.48	-60.374	+81.108	+1056.8
03/10/02/48	GR +0.0000	+24.525	+85.154	+28.767	-14090
03/10/04/04 EEF	GR +0.0000	+500.48	+1.0317	+520.29	+241.12

Figure A2-142E: TABULATED TRANSDUCER DATA-PANEL 2A-2-P-3M-CONDITION 10 (Continued)

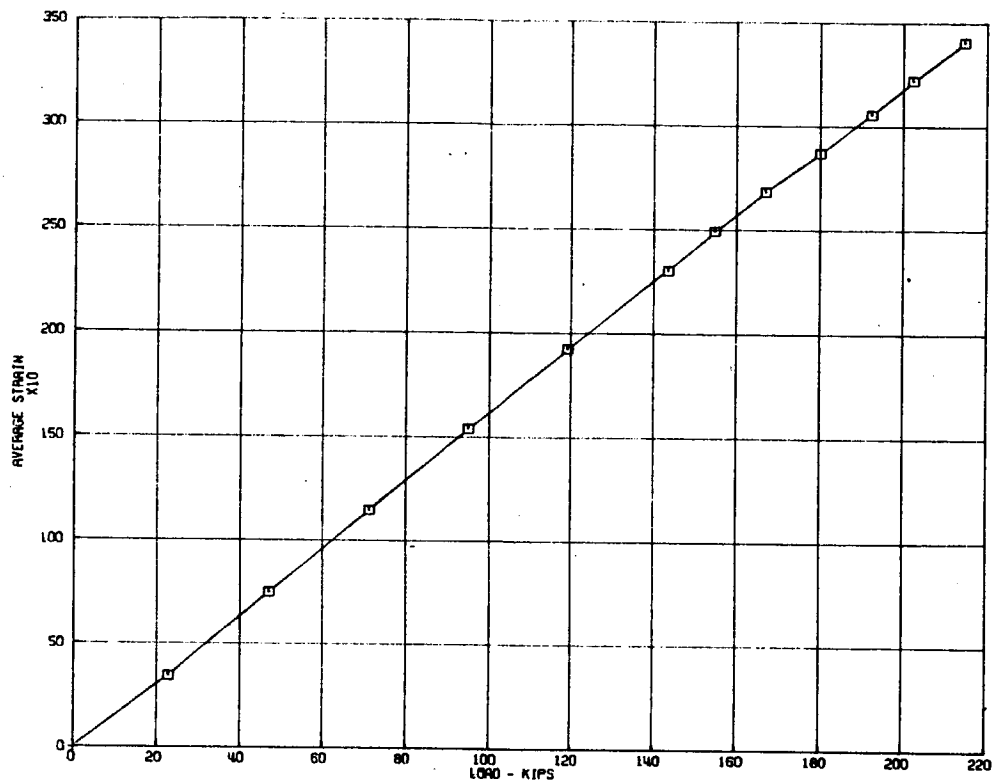


Figure A2-143: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 2A-2-P-3M-CONDITION 11

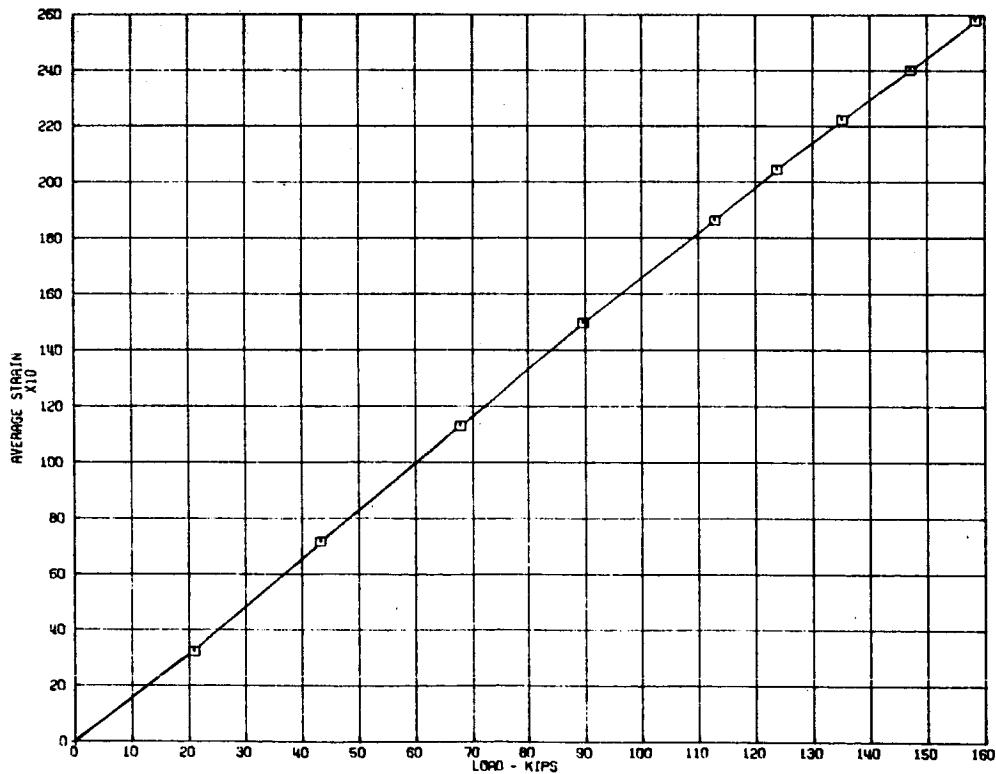


Figure A2-144: AVERAGE STRAIN VS. COMPRESSION LOAD-PANEL 2A-2-P-3M-CONDITION 3

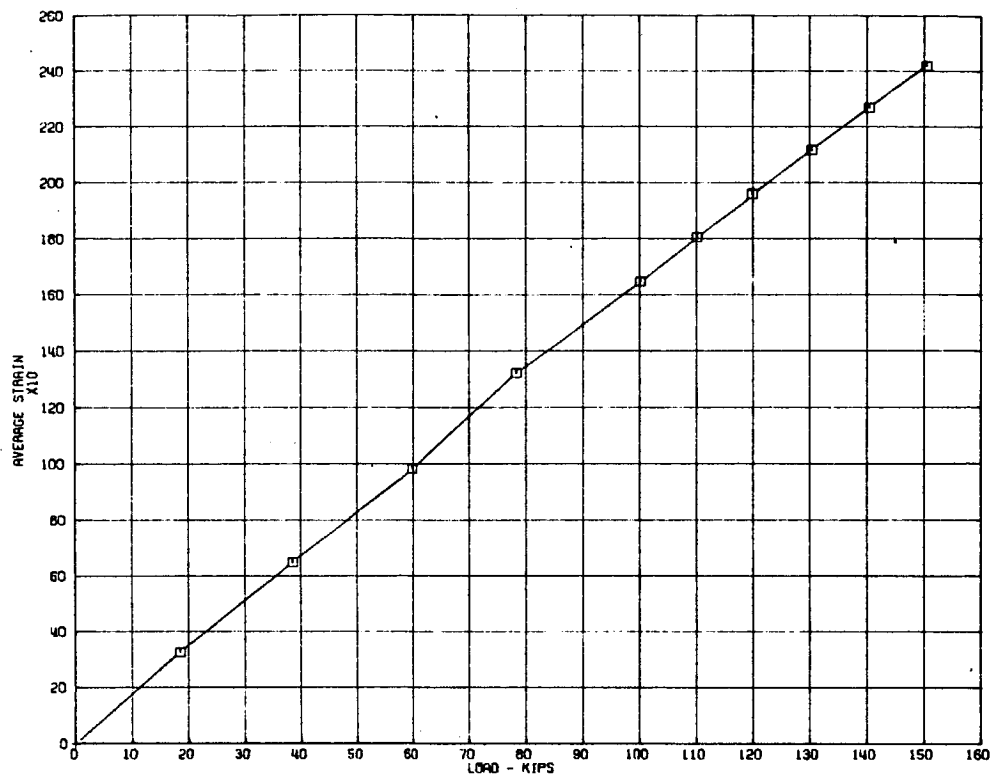


Figure A2-145: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-2-P-3M—CONDITION 4

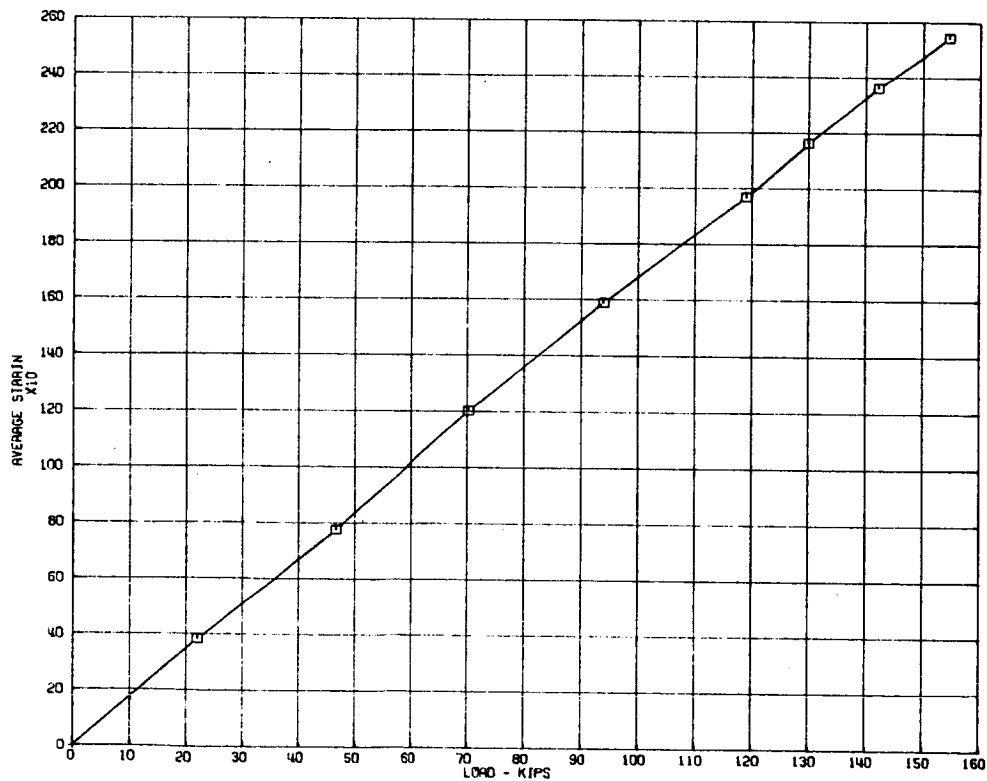


Figure A2-146: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-2-P-3M—CONDITION 5

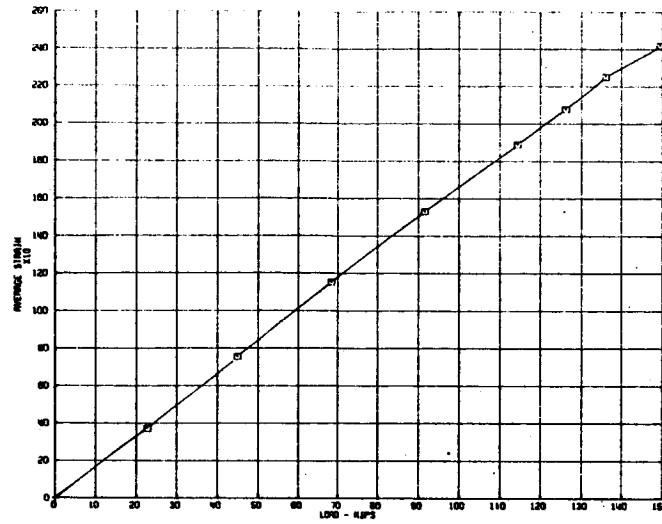


Figure A2-147: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-2-P-3M—CONDITION 6

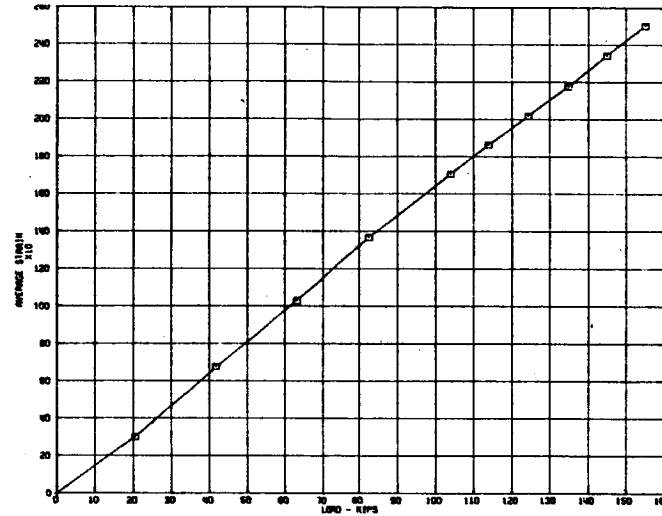


Figure A2-148: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-2-P-3M—CONDITION 9

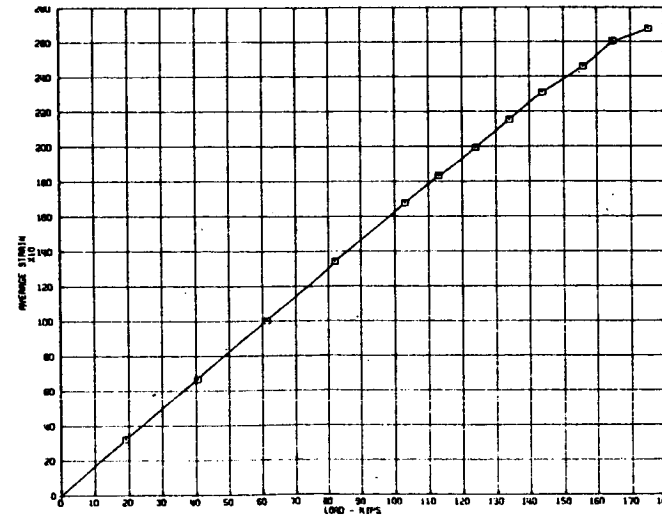


Figure A2-149: AVERAGE STRAIN VS. COMPRESSION LOAD—PANEL 2A-2-P-3M—CONDITION 10

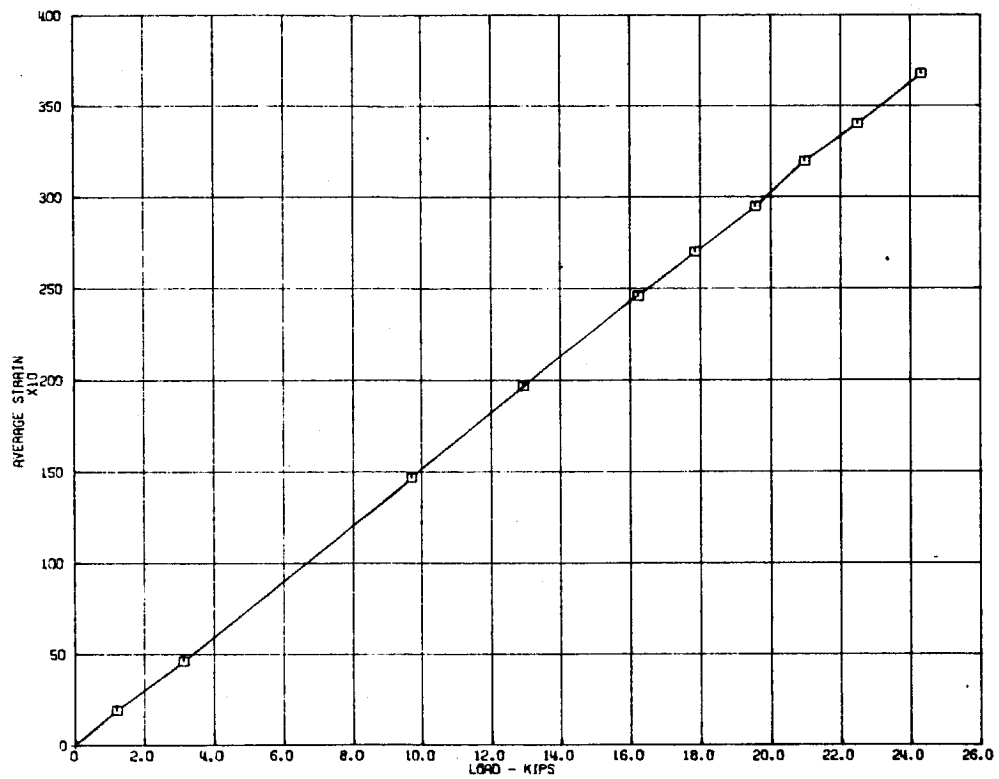


Figure A2-150: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-2-P-3M-CONDITION 2

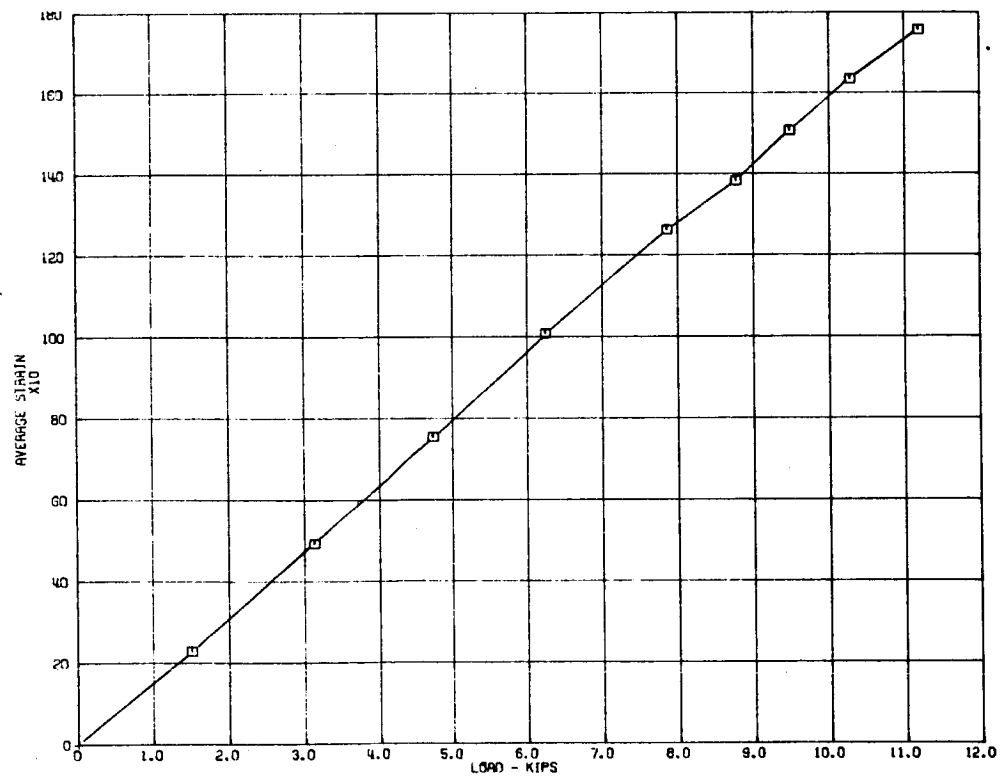


Figure A2-151: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-2-P-3M-CONDITION 3

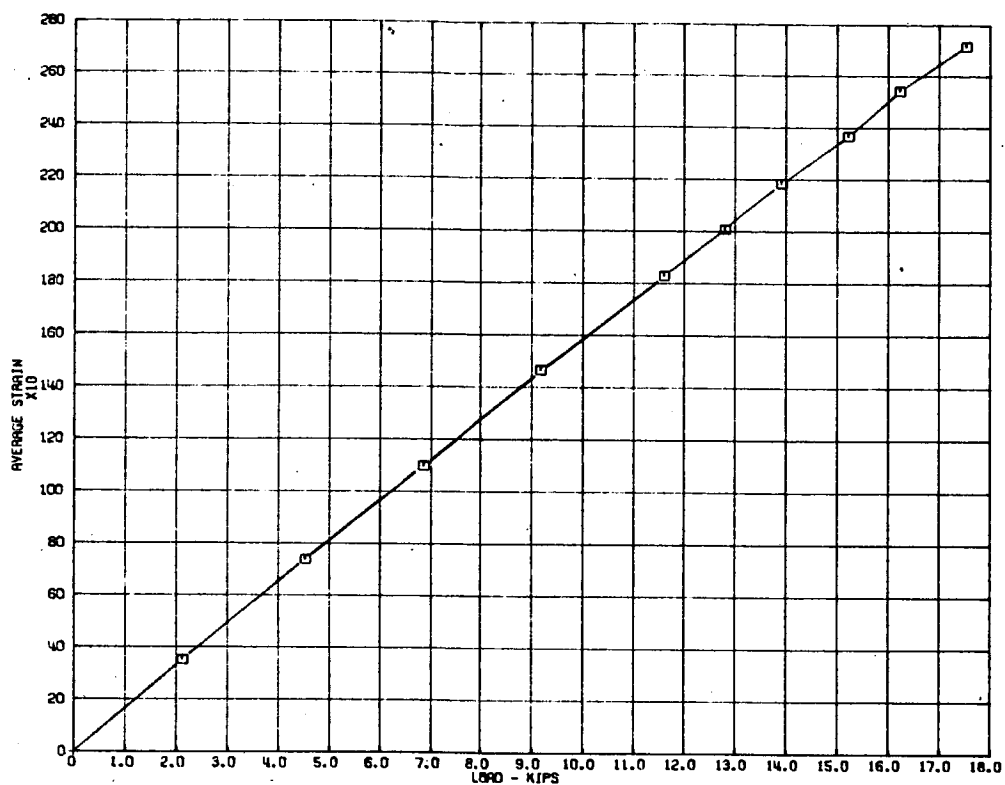


Figure A2-152: AVERAGE STRAIN VS. SHEAR LOAD—PANEL 2A-2-P-3M—CONDITION 4

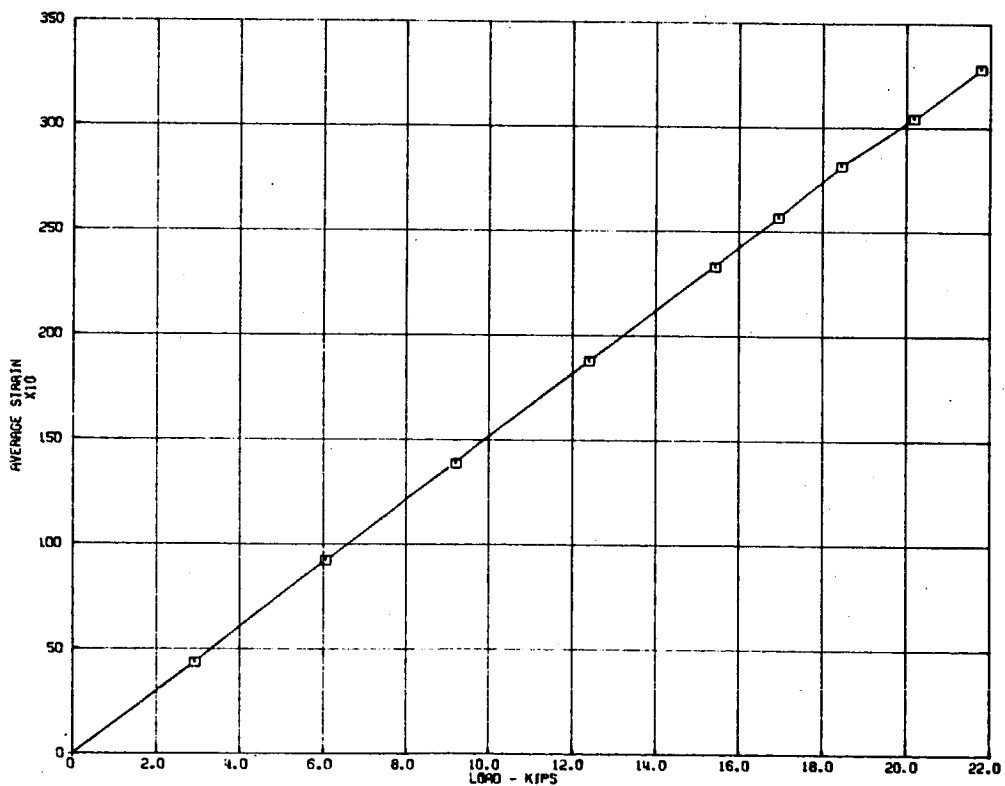


Figure A2-153: AVERAGE STRAIN VS. SHEAR LOAD—PANEL 2A-2-P-3M—CONDITION 7

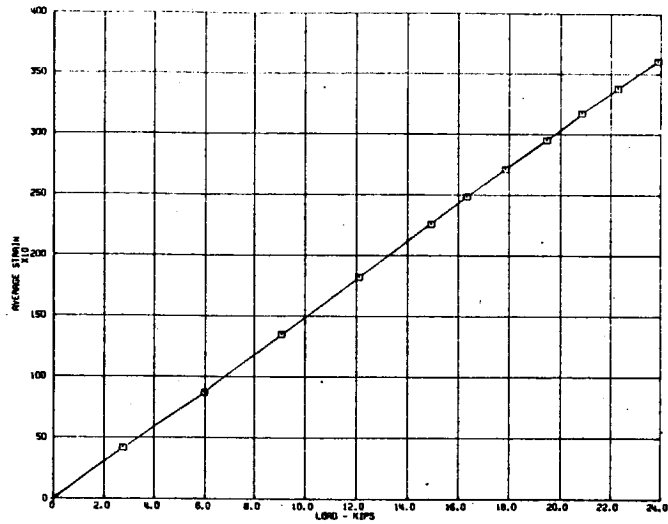


Figure A2-154: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-2P-3M-CONDITION 8

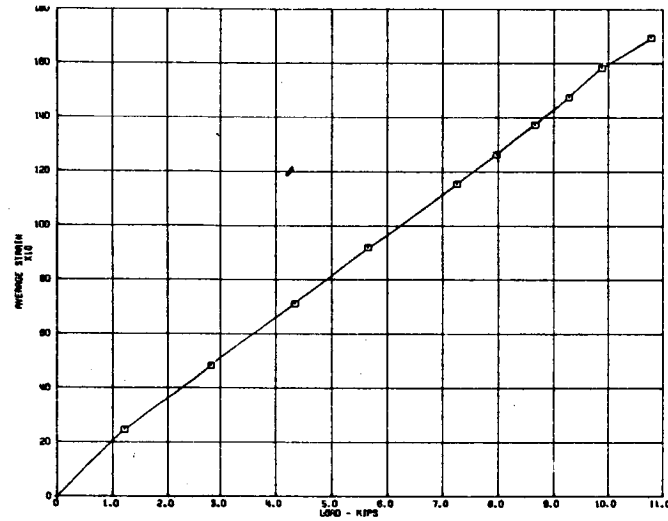


Figure A2-155: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-2P-3M-CONDITION 9

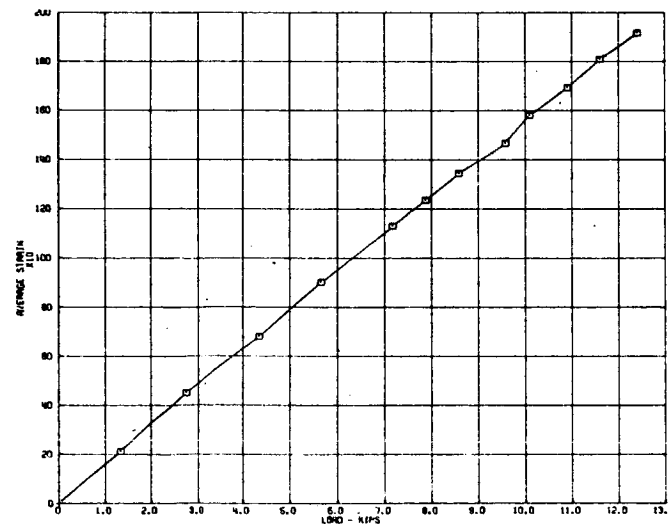


Figure A2-156: AVERAGE STRAIN VS. SHEAR LOAD-PANEL 2A-2P-3M-CONDITION 10

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